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Docket No. 5050-1-PCT

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Doc 5 Page 5 of 5 Pages

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<210> 11125
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<212> DNA
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<212> DNA
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<210> 11140
<211> 1606
<212> DNA
<213> Homo sapiens

<400> 11140
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ttttaatttc cagtagcatg agcaagtaac ttatatttca ttcccgagaa actaaaagaa 180
tctgcctaaa gagtatgaaa attgccatta aatctgtatt gtctactttc tggatggtta 240
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tctacttttt tggattttat catcttttcc cttttagtaa tagagtaata caggtaggaa 480
ttaacttagc actgccaaat taatagtaat attagaactg tgtacacagc acagggttaa 540
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caattttatt gttttgttaa attaaaattc taaatatagt tgtccattgt taaaataagt 660
gagtagggtt aaaatagaga attgataaaa ataaagcctt aaaaatcttt tagctaaagt 720
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<210> 11141
<211> 1606
<212> DNA
<213> Homo sapiens

<400> 11141
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ttttaatttc cagtagcatg agcaagtaac ttatatttca ttcccgagaa actaaaagaa 180
tctgcctaaa gagtatgaaa attgccatta aatctgtatt gtctactttc tggatggtta 240
tatcattata gttctctgct cttccacaca tttttgggct gctatcagtt tgtaagtaat 300
cattatacaa actaaattta aaaatttaaa caagataatt ttatattact tggatcaggg 360
aaaaaaatgc agttgctgaa ggtggtttca tagctaaata taagcaatta ttttgctttt 420
tctacttttt tggattttat catcttttcc cttttagtaa tagagtaata caggtaggaa 480
ttaacttagc actgccaaat taatagtaat attagaactg tgtacacagc acagggttaa 540
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caattttatt gttttgttaa attaaaattc taaatatagt tgtccattgt taaaataagt 660
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ggaaaaatcc ctgagaaaga gagagcaaag cttctatact ctgcctagga tttctttctc 1500
tttccgggtg aaaaataggt gttgggatga tactgagttg ataaaagtat ttaggaaaag 1560
tggccagtgt ctaaattcaa gccattaaaa aaaaaaaaat taaatt 1606

<210> 11142
<211> 677
<212> DNA
<213> Homo sapiens

<400> 11142
atgtgtcgtg cccaaagacc tagtggaaca attattacag aagatccatt taaaagtggt 60
tcaagtgatg ttggtagaga ttgggatcct tccagcaccg aaggaggaag tagtcctttg 120
atatgtccag actctagtgc aagaccaagg gtgaaatctt cgtatagcat ggaaaatgca 180
aataagtggt catgccacat gtgtacatat ttgaactggc caagagcaat cagatgtacc 240
cagtgcttat cccaacgtag gaccaggagt cctacagaat ctcctcagtc ctcaggatct 300
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ctgaacacta ggacacagca ctggacttgc tctgtttgca catatgaaaa ctgggccaag 420
gctaaaagat gtgttgtttg tgatcatccc agacctaata acattgaagc aatagaattg 480
gcagagactg aagaggcttc ttcaataata aatgagcaag acagagctcg atggagggga 540
agttgcagta gtggtaatag ccaaaggaga tcacctcctg ctacgaagcg ggactctgaa 600
gtgaaaatgg attttcagag gattgaattg gctggtgctg tgggaagcaa ggaggaactt 660
gaagtagact ttaaaaa 677

<210> 11143
<211> 710
<212> DNA
<213> Homo sapiens

<400> 11143
gaagagatgt ggttttgcca tgttgcccag gctggtctcg aactcttgga ttcaagcaat 60
ccacctacct aggcctcctg tgctgggatt acaggcgtga gcacctagcc actcttcaat 120
gaattttacc ttgcagttac taaacaacat tcctgcaatg tttcaagttc tctcagagtg 180
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ccaggctgaa gcacagtagc acaatcataa ctcactgtag tcttgaactc ctgtactcaa 300
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gctctttggg acgctgaggc aggtggatca cttgaggcca ggagtttgag accagcctgg 480
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gaaggctgca gtgagccaag attgtgccac tgcactccag cttgggtgac aaagtgagac 660
tgtctcaaca acaacaaaaa tcgtgttttt ttttttttt ccttttttgt 710

<210> 11144
<211> 710
<212> DNA
<213> Homo sapiens

<400> 11144
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ccacctacct aggcctcctg tgctgggatt acaggcgtga gcacctagcc actcttcaat 120
gaattttacc ttgcagttac taaacaacat tcctgcaatg tttcaagttc tctcagagtg 180
aacactgtac atcattacgt ttttttttt ttttccttga gacagccttg ctctgtcatc 240
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ccaacacagt gaaactccgt ctctactaaa aataaaaaaa ttggctgggc atggtgggat 540
gcgcctgtgg tcccagctac tctggaggct gaggcaggag attcacttga acctgggagt 600
gaaggctgca gtgagccaag attgtgccac tgcactccag cttgggtgac aaagtgagac 660
tgtctcaaca acaacaaaaa tcgtgttttt ttttttttt ccttttttgt 710

<210> 11145
<211> 677
<212> DNA
<213> Homo sapiens

<400> 11145
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tcaagtgatg ttggtagaga ttgggatcct tccagcaccg aaggaggaag tagtcctttg 120
atatgtccag actctagtgc aagaccaagg gtgaaatctt cgtatagcat ggaaaatgca 180
aataagtggt catgccacat gtgtacatat ttgaactggc caagagcaat cagatgtacc 240
cagtgcttat cccaacgtag gaccaggagt cctacagaat ctcctcagtc ctcaggatct 300
ggctcaagac cagttgcttt ttctgttgat ccttgtgagg aatacaatga tagaaataaa 360
ctgaacacta ggacacagca ctggacttgc tctgtttgca catatgaaaa ctgggccaag 420
gctaaaagat gtgttgtttg tgatcatccc agacctaata acattgaagc aatagaattg 480
gcagagactg aagaggcttc ttcaataata aatgagcaag acagagctcg atggagggga 540
agttgcagta gtggtaatag ccaaaggaga tcacctcctg ctacgaagcg ggactctgaa 600
gtgaaaatgg attttcagag gattgaattg gctggtgctg tgggaagcaa ggaggaactt 660
gaagtagact ttaaaaa 677

<210> 11146
<211> 1217
<212> DNA
<213> Homo sapiens

<400> 11146
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ctccatacaa gtctcaaaag tcatcctcct actcagtgat tcacgtttag tggtttatat 180
tattaaggtt tgattcaaac agagcctttt ctgtcctgta gataatctac atgtttgtag 240
aattattttg aatatgtttg aggaaaatgt ttaaaatcta aatatactca cataacttga 300
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tcagaagact tgtttgaatt tggatttttt ttttttttgg agtggggaag ggtataaagg 420
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cagaggccag agaggggcag gtagacctgc atagcagcag cctcagcagc tgtcttggta 780
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ctgtgtttag ctctgta 1217

<210> 11147
<211> 230
<212> DNA
<213> Homo sapiens

<400> 11147
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cagtccttgt tgctggcctc caaggcaaat agtgcttcac cctgacctct cactccagga 120
cagcctctaa gggatttgat ctgctcatct tcagttgaat gccctcactc caagactgga 180
tgctggatct catagaaaat tcacagccag acaatcttct aatctggagt 230

<210> 11148
<211> 362
<212> DNA
<213> Homo sapiens

<400> 11148
gggcgcacag aggagttcag gcaatgacac tggacatgtc atcagccctg ggcaacttca 60
ggcgcagtgt tgggaaaaga atagacaagg tcccaaggtc aattccagcg cctggatcct 120
ctgatcccag cctcgctctg caggcaagcc caagaactcc aagcacaatc gccaagatgc 180
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gggaccacac aagaagactg aaaggtatta ttttttcaaa ttaatttgaa gtgtcagcag 300
aaaacatttt gtttcattaa agacagcagg cctcaagaaa aaataaatca atgaacaaat 360
aa 362

<210> 11149
<211> 1960
<212> DNA
<213> Homo sapiens

<400> 11149
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aaatattatt agccattatg ctttcagccc acatttgttc acttattatt tccctgtgta 360
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ataactcagt aagcacatct gagaatcccc ctcatttact cccagtactt ttttcaatta 1860
tgtggaacat agacgaacag gtcaaacttg gatttagaca aagttaaatg atcaactaca 1920
tgatgcaatt taatgggcac aaaaataaaa aaaaaaaaaa 1960

<210> 11150
<211> 1960
<212> DNA
<213> Homo sapiens

<400> 11150
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cttgccataa acttaggcaa tatgaaacaa tcttgctctt agaaccactt caaatgattg 120
gtaaattggg gtcacttatg gtaattttat ttataatctt taatcttgta tctacatctc 180
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<210> 11151
<211> 303
<212> DNA
<213> Homo sapiens

<400> 11151
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atc 303

<210> 11152
<211> 303
<212> DNA
<213> Homo sapiens

<400> 11152
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tatgtacctg ataaggactt tatgcatcag aaagtatggc gtagtataga acaatacagg 120
cagcatggca cagtggaagg aactcagggc tagttgtcaa gagatttggg ttcttctgcg 180
tgcttaatgc tagttttatg atttggacaa atcacatcgc ctacctggac atcggtgtct 240

acatctgtgg gatgatgatg atgatgacag ttaagtgctt aacaataacg aactcattta 300
atc 303

<210> 11153
<211> 1484
<212> DNA
<213> Homo sapiens

<400> 11153
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<213> Homo sapiens

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Docket No. 5038.1003-000

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<212> DNA
<213> Homo sapiens

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aggagaatgg cgtaaacctg ggaggcagag cttgcagtga gcggagatcg tgccactgca 180
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<210> 11182
<211> 136
<212> DNA
<213> Homo sapiens

<400> 11182
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gcactccagc ctgggcgaca gagtgagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaa 136

<210> 11183
<211> 150
<212> DNA
<213> Homo sapiens

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actctgtctc aaaaaaaaaa aagaattggc 150

<210> 11184
<211> 126
<212> DNA
<213> Homo sapiens

<400> 11184
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tgagccaaga ttgtgccatt gcactccagc ctggtgacag agcaagactc cgtctcaaac 120
aaagaa 126

<210> 11185
<211> 135
<212> DNA
<213> Homo sapiens

<400> 11185
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aaagaaaaaa agaca 135

<210> 11186

<211> 1710
<212> DNA
<213> Homo sapiens

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<211> 45
<212> DNA
<213> Homo sapiens

<400> 11187
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<210> 11188
<211> 243
<212> DNA
<213> Homo sapiens

<400> 11188
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atacataaaa ttagccgggc gtgttggcgg gcgcctgtag tcccagctac tcgggaggct 120
gaggcaggag aatggcgtga acccgggagg tggagcttgc agtgagctga gattgcgcca 180
ctgcactcca gcctgggcga cagagcgaga ctctgtctca aaaaaaaaaa attaaattaa 240
att 243

<210> 11189
<211> 166
<212> DNA

<213> Homo sapiens

<400> 11189
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ggaggcggag cttgcagtga gccgagatcg tgccactgca ctccagcctg ggtgacagag 120
caagactccg tctcaaaaaa aaaaaacaaa aaaaacatgt aggcag 166

<210> 11190
<211> 303
<212> DNA
<213> Homo sapiens

<400> 11190
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gtg 303

<210> 11191
<211> 1119
<212> DNA
<213> Homo sapiens

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<210> 11192
<211> 102
<212> DNA
<213> Homo sapiens

<400> 11192
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<210> 11193
<211> 1512

<212> DNA
<213> Homo sapiens

<400> 11193
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aagaaaagaa aa 1512

<210> 11194
<211> 35
<212> DNA
<213> Homo sapiens

<400> 11194
gggtgacaga gtgagactct gtctcaaaaa aaaaa 35

<210> 11195
<211> 238
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> n equals a,t,g, or c

<400> 11195
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ggctgaagca ggagaatcgc ttaaacccag gaggcagagg ttgcagtgag ccgagatcgc 180
gccactgcac tccagcctgg gtgacagagc aagactccat ctcaaaaaaa aaaaaaaa 238

<210> 11196
<211> 147
<212> DNA

<213> Homo sapiens

<400> 11196
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gaggcagagg ttgcagtcag ccaagatcat gccactgcac tccagcctgg gctacagagc 120
aagactccat ctcaaaaaaa aaaaaaa 147

<210> 11197
<211> 219
<212> DNA
<213> Homo sapiens

<400> 11197
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attgcttgag cccgggaggc ggaggttgca gtgagctgag atcgcgccac tgcactccaa 180
cctgggtaac agggcaagac tctgtttcaa aaaaaaaaa 219

<210> 11198
<211> 150
<212> DNA
<213> Homo sapiens

<400> 11198
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tatctcaaaa aaaaaaaaaa aaaaaaaaaa 150

<210> 11199
<211> 35
<212> DNA
<213> Homo sapiens

<400> 11199
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<210> 11200
<211> 238
<212> DNA
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<221> SITE
<222> (7)
<223> n equals a,t,g, or c

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gccactgcac tccagcctgg gtgacagagc aagactccat ctcaaaaaaa aaaaaaaa 238

<210> 11201
<211> 147
<212> DNA
<213> Homo sapiens

<400> 11201
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gaggcagagg ttgcagtcag ccaagatcat gccactgcac tccagcctgg gctacagagc 120
aagactccat ctcaaaaaaa aaaaaaa 147

<210> 11202
<211> 219
<212> DNA
<213> Homo sapiens

<400> 11202
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attgcttgag cccgggaggc ggaggttgca gtgagctgag atcgcgccac tgcactccaa 180
cctgggtaac agggcaagac tctgtttcaa aaaaaaaaa 219

<210> 11203
<211> 150
<212> DNA
<213> Homo sapiens

<400> 11203
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aggttgcagt gagctgagat catgccattg cactccagtc tgggcgacag agcaagactc 120
tatctcaaaa aaaaaaaaaa aaaaaaaaaa 150

<210> 11204
<211> 2300
<212> DNA
<213> Homo sapiens

<400> 11204
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<211> 1561
<212> DNA
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<211> 2296
<212> DNA
<213> Homo sapiens

<400> 11206
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Sequence Listing.ST25.txt

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Docket No. 50350-0004

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Docket No. 50370-2004.40

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Docket No. 50240-1504

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Docket No. 2003-1-PCT-US

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<212> DNA
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<212> DNA
<213> Homo sapiens

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aataag 246

<210> 11272
<211> 246
<212> DNA
<213> Homo sapiens

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aataag 246

<210> 11273
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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 11275
<211> 298
<212> DNA
<213> Homo sapiens

<400> 11275
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tgagtggcaa gctcatgtta cttaattagt ttagcataag tgtaaacctt tcaataga 298

<210> 11276
<211> 298
<212> DNA
<213> Homo sapiens

<400> 11276
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<210> 11277
<211> 1071
<212> DNA
<213> Homo sapiens

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<210> 11278
<211> 2256
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
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Filed: 05/05/2006 Page: 9698

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Docket No. 5150.0030-00

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Docket No. 50170-0005

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<212> DNA
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<211> 2627
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<211> 391
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<210> 11337
<211> 295
<212> DNA
<213> Homo sapiens

<400> 11337
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ggcggatcat gaggtcagga gatcgagacc atcctggcta acacggtgaa accccgtctc 120
tactaaaaat acaaaaaatt agccaggcgc ggtggcaggc ccctgggaga ggctgaggca 180
ggagaatggc gtgcacccgg gaggtggagc tttcagtgag ctgagattat gccactgcac 240
tccagcctgg gcgacagagc cagactccgt ctcaaaaaaa aaaaaaaaaa aagaa 295

<210> 11338
<211> 274
<212> DNA
<213> Homo sapiens

<400> 11338
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tgaggtcagg agatcgagac catcctggct aacacggtga aaccccatct ctactaaaaa 120
tacaaaaaat gagccgtgcg tggtggtggg cgcctgtagt cccaggtact caggaggctg 180
aggcaggaga atggtgtgaa cccgagaggc ggagcttgca gtgagccgag attgcgccac 240
tgcactccag cctgggcaac agagcgagac tccg 274

<210> 11339
<211> 200
<212> DNA
<213> Homo sapiens

<400> 11339
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ggctaacaag gtgaaactcc gtcactacta aaaatataaa aaattggccg ggagtggtgg 120
cgggtgcctg tggtcccagc tactcgggag gctgaggcag gagaatggcg tgaacccggg 180
aagcggagct ggcagtgagc 200

<210> 11340
<211> 295
<212> DNA
<213> Homo sapiens

<400> 11340
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gcacgaggtc aggagatcga gaccatcctg gctaacacgg tgaaacccca tctctactaa 120
aaatacaaaa aattagccag gcgtggtggc gggtgcctgt agtcccagct actcgggagg 180
ctgaggccag agaatggcgt gaacccggga ggcggagctt ccagtgagcc gagatcatgc 240
cactgcactc cagcctgggc aacagagcga gactccgtct caaaaaacaa aacaa 295

<210> 11341
<211> 270
<212> DNA
<213> Homo sapiens

<400> 11341
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ggctaacacg gtgaaacccc atctctacta aaagtacaaa aaattagcca ggcgtggtgg 120
ggggtgcctg tagtcccagc tacttgggag gctgaggcag gagaatggtg tgaacccggg 180
gaggcagagc ttgcagtgag cccggatggc accactgcac tccagcctgg gtgacagagc 240
aagactccgt ctcaaaaaaa gaaaaaagaa 270

<210> 11342
<211> 116
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (76)
<223> n equals a,t,g, or c

<400> 11342
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ctaacacggt gaaacnccgt ccctactaaa aatacaaaac attagcccgc gtggtg 116

<210> 11343
<211> 279
<212> DNA
<213> Homo sapiens

<400> 11343
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accatcctgg ataaaacggt gaaaccccgt ctctactaaa aatacaaaaa attagctggg 120
cgtggtggtg ggcgcccgta gtcccagcta ctcaggggag ctgaggcagg agaatggcgt 180
gaacccagga ggcggagctt gcagtgagcc gagatagcgc cactacactc cagcctgggc 240
gaaagagaga gactccgtct caaaaaaaaa aaaagaaga 279

<210> 11344
<211> 316
<212> DNA
<213> Homo sapiens

<400> 11344
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cgggcggatc acgaggtcag gagatcgaga ccatcctggc taacacggtg aaaccccgtc 120
tctactaaaa atacaaaaaa ttagccgggc gtggtagcgg gcgcctgtag tcccagctac 180
tcgggaggct gaggcaggag aatggcgtga acctggcagg cggagcttgc agtgagccga 240
gatcgcgcca ctgcactcca gcctgggtga cagagcgaga ctccgtctca aaaaaaaaaa 300
aaaaaaaaaa gaattc 316

<210> 11345
<211> 305
<212> DNA
<213> Homo sapiens

<400> 11345
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gaggtcagga gatcgagacc atcccagcta aaacggtgaa accccgtctc tactaaaaat 120
acaaaaaatt agccgggcgt agtggcgggc acctgtagtc ccagctactt gggaggctga 180
ggcaggagaa tggcgtgaac ccgggaggcg gagcttgcag tgagccgaga tcccgccact 240
gcactccagc ctgggcgaca gagcgagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa 300

agaaa 305

<210> 11346
<211> 300
<212> DNA
<213> Homo sapiens

<400> 11346
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caggagatcg agaccatccc ggctaaaatg gtgaaacccc gtctctacta aaaatacaaa 120
aaattagccg ggcgtagtgg cgggcgcctg tggtcccagc tacttgggaa gctgaggcag 180
gagaatggcg tgaacccggg aggcggagct tgcagtgagc cgagatcccg ccactgcact 240
ccagcctggg cgacagagcg agactccgtc tcaaaaaaaa aaaaaaaaaa aaacttgaga 300

<210> 11347
<211> 284
<212> DNA
<213> Homo sapiens

<400> 11347
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atcgagacca tcctggccaa cacggtgaaa ccccatctct actaaaaata caaaaaatta 120
gccgggcgtg gtggcaggca cctgtagtcc caactacttg ggaggctgag gcaggagaac 180
agcgtgtacc caggaggcgg agcttgcagt gagccaagat tgcgccactg cactccagcc 240
tgggcgacag agggagactc cgtctcaaaa aaaaaaaaaa aaga 284

<210> 11348
<211> 150
<212> DNA
<213> Homo sapiens

<400> 11348
aagacctggc acggtggctc acgcctgtaa tcccagcact ttgggaggcc gaggtgagca 60
gattacgagg tcaggagatg gagaccatcc tggcaagcac ggtgaaaccc catctctact 120
aaaaatacaa aaaattagcc gggcgtggtg 150

<210> 11349
<211> 283
<212> DNA
<213> Homo sapiens

<400> 11349
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agaccatcct ggctaacacg gtgaaacccc gtctctacta aaaatacaaa aaattagcca 120
ggcgtggtgg cgggggcctg tagtcccagc tactcgggag actgaggcag gagaatggcg 180
tgaacccggg aggtggagcc tgcagtgagc cgagatcgcg ccactgcact ccagcctggg 240
cgacagagcc agactccatc tcaaaaaaaa aaaaaaaaaa aaa 283

<210> 11350
<211> 1052
<212> DNA
<213> Homo sapiens

<400> 11350
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tcgagaccat cctggctaac acggtgaaac cccgtctcta ctaaaaatac aaaaaattag 120

ccgggcatgg tggcaggcgc ctgtggtccc agttacccag gaggctgagg caggagaatg 180
gcgtgaaccc gggaggcgga gcttgcagtg agccgagatc gagccactgc actccagcct 240
gggcaacaga gctagactcc gtctcaaaaa aaaaaaaaaa ttattgttta tatttgagat 300
gagaattctt gatacatttt ttggtatatt aaaaagtgag ataaattgtt tgtgctttaa 360
catgtaaatt gcatcgtaga ttcataaaat tcatcttgga tttatttcta gcacagtact 420
ttctattgaa agcagtttac tatcaagaaa atctatcaaa ggggatggaa tcccattctt 480
cattttcatg aattgtttta aaaagtgttc ttctggccag ggtcggtggc tcacacctgt 540
aatcccagca ctttgggagg tcgaggtggg tggatcacga ggtcaggaga tcgagaccat 600
cctggccaac atggtgaaac ctcgtctctg ctaaaaatac aaaaatttgc tgggtgtgac 660
cgcacgtgac tgtaatccca gctactcggg aggctgaggc aggagaatcg cttgaacctg 720
ggaggcggag gctgcagtga accaagatcg tgccgctgca ctccagcctg gcaacagagc 780
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ctgtaatccc agcactttgg gaggccgagg caggcggatc acgaggtcag gagatcgaga 900
ccatcctggc taacacggtg aaaccctgtc tctactaaaa atacaaaaaa ttagccgggc 960
gtggtggcag gcgcctgtag tcccagctac tcgggaggct gaggcaggag aatggcatga 1020
acccgggagg cggaacttgc agtgagccga ga 1052

<210> 11351
<211> 203
<212> DNA
<213> Homo sapiens

<400> 11351
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aggcgggcgg atcaagaggt caggagatcg agaccatcct ggctaacacg gtgaaacccc 120
gtctctacta aaaatacaaa aaattagccg ggcgtggtgg cgggcgcctg tagtcccagc 180
tactcgggag gctgaggcag gag 203

<210> 11352
<211> 293
<212> DNA
<213> Homo sapiens

<400> 11352
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ggagatcgag accatcctgg ctaacacggt gaaaccccgt ctctactaaa aatacaaaaa 120
attagctggg tgtggtggcg ggcgcctgta gtcacagcta cttgggagac tgaggcagga 180
gaatggcatg aacccgggag gtgcagcttg cagtgagcag agatctcgcc actgcactcc 240
agcctgggcg acagagcgag acttcatctc aaaaaaaaaa agaaagaaag taa 293

<210> 11353
<211> 295
<212> DNA
<213> Homo sapiens

<400> 11353
gtggctcatg cctgtaatcc cagcactttg ggaggctgag gcgggcggat cacaaggtca 60
ggagattgag accatcctgg ctaatatggt gaaaccccgt ctctactaaa aatacaaaaa 120
aattagccgg gcgtggtggc acacgcctgt aatcccagct acttaggagg ctgaggcagg 180
agaatggtgt gaacccggga ggcggagctt gcagtgagcc gagttcgggc cactgcactc 240
cggcctgggc aacagagcga gactccgtct caaaaaaaaa aaaaaaaaaa aaaaa 295

<210> 11354
<211> 263
<212> DNA
<213> Homo sapiens

<400> 11354
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ggctaacaca gtgaaacccc atctctacta aaaatacaaa aaattatcca ggcgtggtgg 120
cgggcacctg tggtcccagc tacttgggag gctgaggcag gagaatggcg tgaacctggg 180
aggcggagct tgcagtgagc cgagatggcg ccactgcacc ccagcctggg tgacagagcg 240
agacacggtc tcaaaaaaaa aaa 263

<210> 11355
<211> 294
<212> DNA
<213> Homo sapiens

<400> 11355
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ggtcaggaga tcgagaccat cctggctaac acggtgaaac cccatctcta ctaaaaatac 120
aaaaaattag ccgggcgagg tggcgggtgc ctgtagtccc agctactcgg gaggctgagg 180
caggagaatg gcgtgaaccc gggaagcgga gcttgcagtg agccgagatt gcgccattgc 240
actccagcct gggtgacagc gagactccgt ctcaaaaaaa aaaaaaaaag aagt 294

<210> 11356
<211> 149
<212> DNA
<213> Homo sapiens

<400> 11356
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ttgagaccat cctggctaac atggtgaaac cccgtctcta ctaaaaatac aacaattagc 120
cgggtgtggt ggcgggtgcc tgtagtccc 149

<210> 11357
<211> 305
<212> DNA
<213> Homo sapiens

<400> 11357
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atcacgaggt caggagatcg agaccatcct ggctaacacg gtgaaaccct gtctctacta 120
aaaatacaaa aaattagcca ggcgtggtgt cgggcgcctg taatcccagc tactcgggag 180
gctgaggcag gagaatggca tgaacccggg aggcggagct tgcagtgagc ggagatggca 240
ccactgcact ccagcctggg caacagagcg agactccgtc ccaaaaaaaa aaaaaaaaaa 300
aaaca 305

<210> 11358
<211> 316
<212> DNA
<213> Homo sapiens

<400> 11358
tcagccggcg cggtggctca cgcctgtaat cccagcactt tgggaggccg aggcgggcgg 60
atcacgaggt caggagatcg agaccatccc ggctaaaacg gtgaaacccc gtctctacta 120
aaaatacaaa aaattagccg ggcgtagtgg cgggcgcctg tggtcccagc tacttgggag 180
gctgaggcag gagaatggcg tgaacccggg aggcggagct tgcagtgagc cgagatcccg 240
ccactgcact ccagcctggg cgacagagcg agactccgtc tcaaaaaaaa ataaaataaa 300
ataaaaaaaa agaata 316

<210> 11359

<211> 130
<212> DNA
<213> Homo sapiens

<400> 11359
cctgtaatcc cagcactttg ggaggccgag gcgggcagat cacgaggtca ggagatcgag 60
accatcctgg ttaacatggt gaaaccccat ctctactaaa aatacaaaaa aaagttagcc 120
gggcgtggtg 130

<210> 11360
<211> 246
<212> DNA
<213> Homo sapiens

<400> 11360
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aaaccccgtc tctactaaaa atacaaaaaa attagccagg catggtgcgg cgcctgtagt 120
cctagctact tgggaggctg aggcaggaga atggcatgaa cccgggaagc ggagcttgca 180
gtgagccaag atcgcgccac tgcactccag cctgggcgac agagcaagac tccatcaaaa 240
aaaaaa 246

<210> 11361
<211> 257
<212> DNA
<213> Homo sapiens

<400> 11361
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tcgagaccat cctggctaat acggtgaaag cccgtctcta ctaaaaatac aaaaaattag 120
ccgggcgtgg tggcgggcac ctgtggtccc agctacttcg ggaggctgag gcaggagaat 180
ggtgtgaacc cgggaggcag agcttgcagt gagccaagat cgcgccactg cattccagcc 240
tgggcgacag agcgaga 257

<210> 11362
<211> 298
<212> DNA
<213> Homo sapiens

<400> 11362
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caggagatcg agaccatcct ggctaacatg gtgaaacccc atctctacta aaaatacaaa 120
aaattagccg ggcgtggtgg cgggcccctg tagtcccagc tatttgggag gctgaggcag 180
gagaatggag tgaatccggg aggcagagct tgcagtgagc tgagatcgtg ccactgcatt 240
ccagcctagg cgacagagcc agactctgtc tcaaaaaaaa aaaaaaaaaa aaaaaatt 298

<210> 11363
<211> 140
<212> DNA
<213> Homo sapiens

<400> 11363
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agatcgagac catcctggct aacatggtga aaccccgtct ctactaaaaa aacacaaaaa 120
attagctggg catggtggca 140

<210> 11364

<211> 306
<212> DNA
<213> Homo sapiens

<400> 11364
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ggcggatcac gaggtcagga gatcgagacc atcctggcta acacggtgaa accccgtctc 120
tactaaaaat acaaaaaatt agctgggcgt ggtggcaggc gcctgtagtc ccagctactc 180
aggaggctga ggcaggagaa tggcatgaat ccgggaggca gagcttgccg tgagctgaga 240
tcgtgccact gcactccagc ctgggcgaga gagcaagact ccgtctcaaa aaaaaaaaaa 300
aaagaa 306

<210> 11365
<211> 143
<212> DNA
<213> Homo sapiens

<400> 11365
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ctggctaaca tggtgaaacc ccgtctctac taaaaataca aaaaaattag ccaggcatgg 120
tggcgggtgc ctgtagtccc agc 143

<210> 11366
<211> 170
<212> DNA
<213> Homo sapiens

<400> 11366
cacacctgta atcccagcac tttgggaggc tgaggtgggc agatcacgag gtcaggagat 60
tgagaccatc ttggctaaca tggtgaaacc ccgtctctac taaaactaca aaaaattagc 120
caggcatggt ggtgggtacc tatagtccca gctactcagg aggctgaggc 170

<210> 11367
<211> 279
<212> DNA
<213> Homo sapiens

<400> 11367
cccccgcctg taatcccagc actttgggag gccaaggcgg gcggatcacg aggtcaggag 60
atcgagacca tcctggctaa cacggtgaaa ccccttctct actaaaaata caaaaaatca 120
gccgggcgtg gtggcgggcg cctgtagtcc cagctactca ggaggctgag gcgagagaat 180
ggcgtgaacc cgggaggcgg acttgcagtg agccgagatg gcgccactgc actccagcct 240
gggcaacaaa cagagcaaga ttccgtctca aaaaaaaaa 279

<210> 11368
<211> 95
<212> DNA
<213> Homo sapiens

<400> 11368
ttgggaggct gaggtgggca gatcatgagg tcaggagatc gagaccatcc tggctaacac 60
ggtgaaaccc cgtctctaca aaaaatacga aaaat 95

<210> 11369
<211> 271
<212> DNA

<213> Homo sapiens

<400> 11369
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acatggtgaa accccgtctc tactaaaaat acaaaaaatt agccgggcgt gctggtgggc 120
gtctgtagtc ccagctactc aggaggctga ggcaggagaa tggcgtgaac ccgggaggcg 180
gaggttgcag tgagctgaga tcgcgccaca gcaactccag cctgggcgac agagcgagac 240
tctgtctcaa aaaaaaaaaa aaaaaagaaa a 271

<210> 11370
<211> 296
<212> DNA
<213> Homo sapiens

<400> 11370
gcctgtaatc ccagcacttt gggaggctga ggcgggcgga tcacgaggtc aggagatcga 60
gatcattctg gctaacatgg tgaaaccccg tctctactaa aaatacaaaa aaaattagcc 120
gggcgtggta gcgggcgcct gtagtcccag ctactcggga ggctgaggca ggagaatggc 180
gtgaacccgg gaggcgcagc ttgcagtgag ccaagacagc gccactgcag cccagcctgg 240
gcgaaagagc aagactctgt ctcaaaaaaa aaaaaaaaaa aaaaaaagga aggaaa 296

<210> 11371
<211> 285
<212> DNA
<213> Homo sapiens

<400> 11371
acacctgtaa tcccagcact ttgggaggcc aaggtgggca gatcacaagg tcaggggatc 60
gacaccatcc tggctaacat ggtgaaaccc cgtctctact aaaaatacaa aaaattagct 120
gggcgtggtg gcgggcacct gtagtctcag ctactcagga ggctgaggca ggagaatggt 180
gtgaatccag gaggcggagc ttgcagtgag ccaagatagc gccactgcac tccagcctgg 240
gcgaaagagc gagactccat ctcaaaaaaa aaaaaaaaaa aaaaa 285

<210> 11372
<211> 230
<212> DNA
<213> Homo sapiens

<400> 11372
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gagatcaaga ccatcctggc taacacggtg aaactccgtc tttactaaaa atacaaaaaa 120
ttagccaggt gtggtggcga gcacctgtag tcccagctac tccgaaggct gaggcaggag 180
aatggcgtga acccgggagg cggagcttgc agtgagccga gatcgcacca 230

<210> 11373
<211> 100
<212> DNA
<213> Homo sapiens

<400> 11373
actttgggag gccgaggtgg gcagatcacg aggtcaggag atcgagacca tcctggctaa 60
cgtggtgaaa ccccgtctct actaaaaata cagaaacaaa 100

<210> 11374
<211> 281
<212> DNA

<213> Homo sapiens

<400> 11374
cacgcctgta atcccagcac tttgggaggc cgaggcgggt ggatcacgag gtcaggagat 60
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<211> 300
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<212> DNA
<213> Homo sapiens

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<212> DNA
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<212> DNA
<213> Homo sapiens

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US 2005/0255485 A1

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<213> Homo sapiens

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<210> 11384
<211> 299
<212> DNA
<213> Homo sapiens

<400> 11384
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<212> DNA
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<212> DNA
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<400> 11388
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aaatacaaaa att 133

<210> 11389
<211> 139
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

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attagccgga tgtggtggc 139

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<212> DNA
<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 11394
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<212> DNA
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<220>
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<212> DNA
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<212> DNA

<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 11406
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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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Docket No. 5000.1.0

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<212> DNA
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<210> 11424
<211> 176
<212> DNA
<213> Homo sapiens

<400> 11424
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ttagccagcg cagtggcacg tgcctgtagt ccaagctact tgggaggctg aggcag 176

<210> 11425
<211> 278
<212> DNA
<213> Homo sapiens

<400> 11425
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ggtgggcgcc tgtagtccca gctactcggg aggttgaggc aggagaatgg cgtgaaccca 180
ggaggcggag cttgcagtga gccaagattg cgccactgca ctccagcttg ggtgacagac 240
cgagactccg tttcaaaaaa aaaaaaaaaa aaaagaat 278

<210> 11426
<211> 176
<212> DNA
<213> Homo sapiens

<400> 11426
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tcaggagatc gagaccatcc tggctaacat ggtgaaaccc catctctact aaaaatacaa 120
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<210> 11427
<211> 2364
<212> DNA
<213> Homo sapiens

<400> 11427

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cctgggcgac agagcaagac tcca 2364

<210> 11428
<211> 263
<212> DNA
<213> Homo sapiens

<400> 11428
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atggtgaaac cccatctcta ctaaaaatac aaaaaaatga gccaagcatg gtggcgggcg 120
cctgtagtcc cagctacttg ggaggctgag gcaggagaat ggcatgaacc cggccggcgg 180
agcttgcagt gagccgagat cacaccactg cactccagcc tgggcaacag agcaagactc 240
cgtctcaaaa aaaaaaaaaa aga 263

<210> 11429
<211> 119
<212> DNA
<213> Homo sapiens

<400> 11429

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gagaccatcc tggctaacac agtgaaaccc tgtctctact accaatacaa aaaaaaaaa 119

<210> 11430
<211> 297
<212> DNA
<213> Homo sapiens

<400> 11430
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agatcgagac cttcctggct aacacggtga aaccccgtct ctactaaaaa tacaaaaaat 120
tagccgggcc tagtggcggg cgcctgtagt cccagctact cgggaggctg aggcaggaga 180
atggcatgaa cccgggaggc ggagcttgca gtgagcccag atcgtgccac tgcactccag 240
cctgggcgac agagcgagac tccgtctcaa aaacaacaac aacaaaacaa aacacca 297

<210> 11431
<211> 169
<212> DNA
<213> Homo sapiens

<400> 11431
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ctatcctggc taacatggtg aaacccccatc tctactaaaa atacaaaaaa ttagccaggc 120
gtggtggcag gcgcctgtag tcccagctac ttgggaggct gaggcagga 169

<210> 11432
<211> 93
<212> DNA
<213> Homo sapiens

<400> 11432
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ggtgaaaccc cttctctact aaaaatacaa aaa 93

<210> 11433
<211> 282
<212> DNA
<213> Homo sapiens

<400> 11433
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tcgagaccat cctggctaac acggtgaaac cccatctcta ctaaaaatac aaaaaaaaat 120
tagcagggtg tggtggtggg tgcctgtagt cccagctact cgggaggctg aggcaggaga 180
atggcgtgaa cccaggaggc ggagcttgca gtgagccgag attgtgccac tgcactccag 240
cttgggtgac agagtgagac tccgtctcaa aaaaagaaag aa 282

<210> 11434
<211> 300
<212> DNA
<213> Homo sapiens

<400> 11434
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gacggatcac aaggtcagga gatcgagacc atcctggcta gcacggtgaa accccgtctc 120
tactaaaaat acaaaaaatt agccgggcgt ggtggcgggc acctgtagtc ccagctactc 180
gggaggctga ggcaggagaa tggcgtgaac ctgggaggtg gagcttgcag tgagccaaga 240

tcgcgccact gcactctagc ctcctgggca acagagcaag actctgtctc aaaaaaaaaa 300

<210> 11435
<211> 131
<212> DNA
<213> Homo sapiens

<400> 11435
agtggctcat gcctgtaatt ccagcacttt gggaggctga ggtgggtgga tcacgaggtc 60
aggagattga gaccatcctg gctaacatgg tgaaacccag tctctactaa aaatacaaaa 120
aaaaaaagaa a 131

<210> 11436
<211> 128
<212> DNA
<213> Homo sapiens

<400> 11436
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ggtcaggaga tcgagaccat cctggctaac agggtgaaac cccatctcta ctaaaaatac 120
aaaaaaaa 128

<210> 11437
<211> 281
<212> DNA
<213> Homo sapiens

<400> 11437
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acacggggaa accccgtctc tactaaaaat acaaaaaatg agccgggcgc ggtggcgggc 120
gcctgtggtc ccagctactc gggaggctgg ggcaggagaa tggcgcgaac ccgggaggcg 180
gagcttgcag tgagccgaga tcgcgccacc gcactccagc ctgggcgaca gagcgagact 240
ccgtctcaaa aaaaaaaaaa agaaaaagaa aaaggacaac a 281

<210> 11438
<211> 301
<212> DNA
<213> Homo sapiens

<400> 11438
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gatcacgagg tcaggaaatc gagaccatcc tggctaacac ggtgaaaccc catctctact 120
aaaaaataca aaaaattagc cgggcgtggt ggtgggtgcc tgtagtccca gctactcagg 180
aggctgaggc aggagaatgg tgtgaacccg ggaggtggag cttgcagtga gccgagatcg 240
cgccactgca ctccagcctg ggcgacagaa caagactccg tctcaaaaat aaataaataa 300
a 301

<210> 11439
<211> 310
<212> DNA
<213> Homo sapiens

<400> 11439
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tcacaaggtc aggagatcga gaccatcctg gctaacacgg tgaaaccccg tctctactaa 120
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gaggctgagg caggagaatg gcgtgaactc gggaggcgga gcttgcaatg agccgagatc 240
gcgccactgc actccagcct gggcgacaga gcgagactcc gtctcaaaaa aaaaaaaaaa 300
aaaaaaaaaa 310

<210> 11440
<211> 1635
<212> DNA
<213> Homo sapiens

<400> 11440
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gcaggcctcc tagaatgtgt ttgaaaagtg ttccctctgt ttcagttctt tggaagatag 180
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tattataagt gtgttcaaag tttttatttc tccatgattc acccatggaa aattgttttt 360
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tctcttgtaa ttcttctatt tctgtgatat cagttgttat gttccctctt tcatttctac 480
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aaaaaaattg ttgag 1635

<210> 11441
<211> 145
<212> DNA
<213> Homo sapiens

<400> 11441
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gaggtcagga gatcgagacc atcctggcta acatggtgaa acccagtctc tactaaaaat 120
acaaaaatta gctgggcttg gtggc 145

<210> 11442
<211> 277
<212> DNA
<213> Homo sapiens

<400> 11442
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tggctaacac ggtgaaaccc cgtctctact aaaaatacaa aaaaattagc cgggcgtagt 120
ggcgggcacc tgtagtccca gctactccgg aggctgaggc aaggagaatg gcgtgaacct 180

gggaggcgga gcttgcagtg agccgagatg gcgccactgc actccagcct gggtgatgga 240
gcgagacttg tctcaaaaaa aaaaaaaaaa agaataa 277

<210> 11443
<211> 175
<212> DNA
<213> Homo sapiens

<400> 11443
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caagaccatc ctggccaaca tggtgaaacc ccgtctctac taaaaataca aaaaaattag 120
ccgggcgtgg tggcccgcgc ctgtggtccc agatactcgg gagtctgagg cagga 175

<210> 11444
<211> 303
<212> DNA
<213> Homo sapiens

<400> 11444
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cacaaggtca ggagatcgag accatcctgg ctaacacggt gaaaccccctc tctactaaaa 120
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ctgcactcca gcctgggtga cagagcgaga ctccacctca aaaaaaaaaa aaaaaaaaaa 300
gaa 303

<210> 11445
<211> 309
<212> DNA
<213> Homo sapiens

<400> 11445
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accatcccgg ctaaaacggt gaaaccccgt ctctactaaa aatacaaaaa attagccggg 120
cgtagtggcg ggcgcctgta gtcccagcta cttgggaggc tgaggcagga gaatggcgtg 180
aacccgggag gctgagcttg cagtgagccg agatcccgcc actgcactcc agcctgggcg 240
acagagcgag actccgtctc aaaaaataaa aataaaaata aaaaataata ataaaaataa 300
aaaataaaa 309

<210> 11446
<211> 253
<212> DNA
<213> Homo sapiens

<400> 11446
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atggtgaaac cccgtctcta ctaaaaatac aaaaaattag ctgggtgtgt ttgcaggtgc 120
ctgtagtccc agctactcgg gaggctgagg caggagaatg ggctgaaccc aggaggcggc 180
ttgcagtgag ccgagatcgc accactgcac tccagcctgg gcgacagagc gagactccat 240
ctcaaaaaaa aaa 253

<210> 11447
<211> 287
<212> DNA
<213> Homo sapiens

<400> 11447
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ccatcctggc tgacacggtg aaaccccgtc tctactaaaa atacaaaaaa atggccgggt 120
gtggtggcga gcacctgcct gtagtcccag ctactcggga ggctgaggca ggagaatggc 180
ttgaacccgg gaggcggagc ttgcagtgag ccgagatcgc gccactgcac tccagcctag 240
gcgacagagc aagactccct ctccaaaaaa aaaaaaaaaa aaaaaaa 287

<210> 11448
<211> 260
<212> DNA
<213> Homo sapiens

<400> 11448
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acggtgaaac cccgtctcta ctaaaaatac aaaaaattag ccaggcatgg tggcgggcgc 120
ctgtagtccc agctactcgg gcagctgagg caggagaatg gcgtgaaccc gggaggcgga 180
gcttgcagcg agccaagatt gcgccactgc actccagcct gggcgacaga gcgaggactc 240
cgtctcaaaa aaaaaaaaaa 260

<210> 11449
<211> 273
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> n equals a,t,g, or c

<400> 11449
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acacggtgaa accccgtctc tactaaaaat acaaaaaaat tagccgggcg tggtggcggg 120
cgcctgtagt cccagctact cgggaggctg aggcaggaga atggcgtgag cccgggaggc 180
ggagcttgca gtgagcggag atcgcgccac cgcacttcag cctgggcgac agagcaagac 240
tcttgtctca aaaaaaaaaa aaaaaagtgg cag 273

<210> 11450
<211> 279
<212> DNA
<213> Homo sapiens

<400> 11450
cactttggga ggccgaggcg ggcggatcac gaggtcagga gatcgagacc attctggcta 60
acacggtgaa accccgtctc tactaaaaat acaaaaaatt agccgggcgt ggtagcgggc 120
gcctgtagtc ccagctactc gggaggctga ggcaggagaa tggcgtgaac ccgggaggcg 180
gagcttgcag tgagccgaga tcgcgccact gcactccagc ctgggcgaca gagcgagact 240
ccgtctcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaga 279

<210> 11451
<211> 225
<212> DNA
<213> Homo sapiens

<400> 11451
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cgggcggatc acgaggtcag gagatcgaga ccatcctggc taacacggtg aaaccccgtc 120
tctactaaaa atacaaaaaa ttagccgggc ttggtggcgg gcgcctgtag tcccagctac 180

tcgagaggct gaggcaggag aatggcgtga acccgggagg cggag 225

<210> 11452
<211> 320
<212> DNA
<213> Homo sapiens

<400> 11452
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tcaggagatt gagaccatcc tggctaacac ggtgaaaccc cgtctctact aaaaatacaa 120
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ctccagcctg ggcaacagag caagactccg tctcaaaaaa aaaaaagaaa aaagaaaaga 300
aaagaaaaga aaacgaagtc 320

<210> 11453
<211> 124
<212> DNA
<213> Homo sapiens

<400> 11453
gcccatgcct gtaatcccag aactttggga ggccgaggcg ggcggatcac gaggtcagga 60
gatcgagacc atcctggcaa acacggtgaa accccgtctc tactaaaaat acaaaaaaaa 120
aaat 124

<210> 11454
<211> 308
<212> DNA
<213> Homo sapiens

<400> 11454
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<211> 300
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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 11458
<211> 287
<212> DNA
<213> Homo sapiens

<400> 11458
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<212> DNA
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<210> 11460
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<212> DNA
<213> Homo sapiens

<400> 11460
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<210> 11461
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<212> DNA

<213> Homo sapiens

<400> 11461

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tacaaaaatt agctgggcat agtggtgcat gcct 154

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<210> 11464
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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<211> 238
<212> DNA
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<210> 11468
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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 11471
<211> 192
<212> DNA
<213> Homo sapiens

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<212> DNA
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<212> DNA
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<212> DNA
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<400> 11474

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<210> 11475
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<212> DNA
<213> Homo sapiens

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<211> 5775
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<211> 1096
<212> DNA
<213> Homo sapiens

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<211> 293
<212> DNA
<213> Homo sapiens

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<210> 11480
<211> 131
<212> DNA
<213> Homo sapiens

<400> 11480
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tagctgggac t 131

<210> 11481
<211> 523
<212> DNA
<213> Homo sapiens

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<212> DNA
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<210> 11483
<211> 209
<212> DNA
<213> Homo sapiens

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<210> 11484
<211> 132
<212> DNA
<213> Homo sapiens

<400> 11484
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<210> 11485
<211> 380
<212> DNA
<213> Homo sapiens

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<210> 11486
<211> 97
<212> DNA
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<210> 11487
<211> 380
<212> DNA
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<212> DNA

<213> Homo sapiens

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<211> 729
<212> DNA
<213> Homo sapiens

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<210> 11490
<211> 184
<212> DNA
<213> Homo sapiens

<400> 11490

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<210> 11491
<211> 500
<212> DNA
<213> Homo sapiens

<400> 11491
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<210> 11492
<211> 577
<212> DNA
<213> Homo sapiens

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<212> DNA
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Docket No. 2000.0050

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Exhibit 1003 - Page 10031

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US 9,550,824 B2

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gactgaagtg agaggatgca ccagagcccc agaagtcaag gctgcagtga gccatgatca 660
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<210> 11502
<211> 325
<212> DNA
<213> Homo sapiens

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acagtgaagg ggcaaccaca caaca 325

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<211> 1562
<212> DNA
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ttccgaatgt attctcaagc ttcaagaacg gttcccatcc taccagactt ccaccgtatc 540
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<211> 65
<212> DNA
<213> Homo sapiens

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aaaac 65

<210> 11505
<211> 84
<212> DNA
<213> Homo sapiens

<400> 11505
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aaaaaaaaaa aatagaaaag aaaa 84

<210> 11506
<211> 283
<212> DNA
<213> Homo sapiens

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agaccatcct ggctaacacg gtgaaacccc gtctctacta aaaatacaaa aaattagcca 120
ggcgtggtgg cgggggcctg tagtcccagc tactcgggag actgaggcag gagaatggcg 180
tgaacccggg aggtggagcc tgcagtgagc cgagatcgcg ccactgcact ccagcctggg 240
cgacagagcc agactccatc tcaaaaaaaa aaaaaaaaaa aaa 283

<210> 11507
<211> 147
<212> DNA
<213> Homo sapiens

<400> 11507
ggtcccagct actcgggagg cttaggcagg agaatggcgt gaacccagga ggtggagctt 60

gcagtgagcc gagatcgcgc cactgcactc cagcctgggc gacagagcga gactccatct 120
caaaaaaaaa aaaaaaaaaa aattgtg 147

<210> 11508
<211> 143
<212> DNA
<213> Homo sapiens

<400> 11508
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ttgcagtgag ccgagatcgc gccactgcac tccagcctgg gcgacagagc gagactccgt 120
ctcaaaaaaa aaaaaaagaa atg 143

<210> 11509
<211> 170
<212> DNA
<213> Homo sapiens

<400> 11509
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ggcgtgaacc cgggaggcgg agcttgcagt gagccgagat ctcgccactg cactccagcc 120
tgggcgacag agcgagactc cgtctcaaaa aaaaaaaaaa aaaaagactg 170

<210> 11510
<211> 125
<212> DNA
<213> Homo sapiens

<400> 11510
ctgaggcagg agaatggcgt gaacccggga ggcggagctt gcagtgagcc gagatggcgc 60
cactgcagtc cagcctgggc gatagagcga gactctgtct caaaaaaaaa aaaaaaaaaa 120
aaatt 125

<210> 11511
<211> 162
<212> DNA
<213> Homo sapiens

<400> 11511
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agccgagatc ccgccactgc actccagcct gggcgacaga gcgagactcc gtctcaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaca aa 162

<210> 11512
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (98)
<223> n equals a,t,g, or c

<400> 11512
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caggagatcg agaccatcct ggctaacacg gtgaaacncc gtctctacta aaaatataaa 120

aaattagcca ggcgtggtgg tgggcgcctg tagtcccagc tactcaggag gctgaggcag 180
gagaatggcg tgaacccggg aggcggagct tgcagtgagc cgagatcgtg ccactgcact 240
ccagcctggg cgacagagtg agactccgtc tcaaaaaaaa aaaaaaaaaa gttattcttc 300
g 301

<210> 11513
<211> 246
<212> DNA
<213> Homo sapiens

<400> 11513
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gccactgcac tccagcctgg gcgacagagt gagactccgt ctcaaaaaaa aaaaacaaaa 240
aaacaa 246

<210> 11514
<211> 193
<212> DNA
<213> Homo sapiens

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ctccagcctg ggcgacagag cgagactccg tctcaaaaaa aaaaaaaaaa aaaaaaaaga 180
tcagaaaaaa ata 193

<210> 11515
<211> 140
<212> DNA
<213> Homo sapiens

<400> 11515
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gccactgcac tccagcctgg gcgacagagc gaaactccgt ctcaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa gaggggaaaa 140

<210> 11516
<211> 246
<212> DNA
<213> Homo sapiens

<400> 11516
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aaaatacaaa aaattagccg ggcgtagtgg cgggcgcctg tagtcccagc tactcaggag 120
gctgaggcag gagaatggcg tgaacccggg aggcggagct tgcagtgagc cgagatcccg 180
ccactgcact ccagcctggg cgacagagcg agactccgtc tcaaaaaaaa aaaaaaaaaa 240
aatgga 246

<210> 11517
<211> 153
<212> DNA
<213> Homo sapiens

<400> 11517

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gtgagccgag atcgcgccac tgcactccag cctgggcgac agagcgagac tccgtctcaa 120
aaaaaaaaaa aaaaaaaaga aagcagtggg gcc 153

<210> 11518
<211> 61
<212> DNA
<213> Homo sapiens

<400> 11518
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a 61

<210> 11519
<211> 193
<212> DNA
<213> Homo sapiens

<400> 11519
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cgtgaacccg ggaggcggag cttgcagtga gccgagatcg cgccactgca ctccagcctg 120
ggcgacagag cgagactccg tctcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaattgac 180
tcctaatcaa aaa 193

<210> 11520
<211> 136
<212> DNA
<213> Homo sapiens

<400> 11520
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gcactccagc ctgggcgaca gagtgagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa 120
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<210> 11521
<211> 279
<212> DNA
<213> Homo sapiens

<400> 11521
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gcctgtagtc ccagctactc gggaggctga ggcaggagaa tggcgtgaac ccgggaggcg 180
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ccgtctcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaga 279

<210> 11522
<211> 300
<212> DNA
<213> Homo sapiens

<400> 11522
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agccgggcgt ggtagcgggc gcctgtagtc ccagctactc gggaggctga ggcaggagaa 180
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ctgggcgaca gagcgagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa aaaaaattaa 300

<210> 11523
<211> 150
<212> DNA
<213> Homo sapiens

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gcggagcttg cagtgagctg agatcgcgcc actgcactcc agcctgggcg acagagcgag 120
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<210> 11524
<211> 322
<212> DNA
<213> Homo sapiens

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<210> 11525
<211> 142
<212> DNA
<213> Homo sapiens

<400> 11525
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aaaaaaaaaa aaaaaaaatg ga 142

<210> 11526
<211> 177
<212> DNA
<213> Homo sapiens

<400> 11526
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gcatgaaccc gggaggcgga gcttgcagtg agccgagatc gcgccactgc actccaccct 120
gggcgacaga gcgagactcc gcctcaaaaa aaaaaaaaaa aaaaaaaaaa gaaggtc 177

<210> 11527
<211> 368
<212> DNA
<213> Homo sapiens

<400> 11527
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ctaatatcca gaatctacag tgaactcaaa caaatttaca agaaaaaaac aaacaacccc 240
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aaaagacaca tgaaaaaatg cccatcatca ctggccatca gagaaatgca aatcaaaacc 360
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<210> 11528
<211> 131
<212> DNA
<213> Homo sapiens

<400> 11528
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tagctgggac t 131

<210> 11529
<211> 2925
<212> DNA
<213> Homo sapiens

<400> 11529
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Replacement Sheet

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<212> DNA
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<212> DNA
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Case 3:05-cv-00369-WKW-SRW Document 1-2 Filed 04/29/2005

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Docket No. 50-1508-PCT

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<212> DNA
<213> Homo sapiens

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<211> 372
<212> DNA
<213> Homo sapiens

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<211> 345
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<211> 495
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<211> 1647
<212> DNA
<213> Homo sapiens

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<212> DNA
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<212> DNA
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<211> 1647
<212> DNA
<213> Homo sapiens

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<211> 361
<212> DNA
<213> Homo sapiens

<400> 11604

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<210> 11605
<211> 496
<212> DNA
<213> Homo sapiens

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<212> DNA
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Docket No. 2003-0529.PCT

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Application Number 09/756,650 - Filed January 10, 2001

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Docket No. 2000.0050000

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PCT/US2003/041320

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PE0013.50 - 2006-05-09

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<210> 11669
<211> 912
<212> DNA
<213> Homo sapiens

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Sequence Listing - 09/500,000

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 11676
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<212> DNA
<213> Homo sapiens

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US 6,946,558 B2

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Docket No. 5050-1-PCT

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Doc 3 Page 10 of 15

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Docket No. 10262.0001-00-US

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Docket No. 50170-2000

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<211> 586

<212> DNA
<213> Homo sapiens

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<212> DNA
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<212> DNA
<213> Homo sapiens

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<211> 141

<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 11694
<211> 1438
<212> DNA
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<210> 11695
<211> 300
<212> DNA
<213> Homo sapiens

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<210> 11696
<211> 1577
<212> DNA
<213> Homo sapiens

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<210> 11697
<211> 356
<212> DNA
<213> Homo sapiens

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<210> 11698
<211> 1479
<212> DNA
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<210> 11699
<211> 1479
<212> DNA
<213> Homo sapiens

<400> 11699
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Docket No. 2003-0705A

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US 7,709,205 B2

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Applicant's Docket No. 5050.0

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Docket No. 50T-10293.6

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Doc 5 10303 Filed 10/30/2006

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Doc 5 of 5 - 10548

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Docket No. 5050-0-PCT-US

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Docket No. 2001-0185.00

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Docket No. 2005-0205

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Docket No. 50-1505-PCT-US

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Docket No. 3000.1.0030.PCT

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<213> Homo sapiens

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tttagcatta ggtattctcc taatgctat 149

<210> 11828
<211> 2396
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
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<221> SITE
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Docket No. 50T4-005-1

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Docket No. 4964.1004

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Docket No. 5055.1050-004

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Exhibit 1 Page 10749

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Page 10751 of 10756

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Exhibit 1009, p. 10753

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Docket No. 30566.5-US-U1

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Application Serial No. 10/750,150

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<211> 106
<212> DNA
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<212> DNA
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<212> DNA
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<212> DNA
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Docket No. 2950.2.10.1

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Docket No. 50570-0050

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Exhibit 1 - Page 10798

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Docket No. 10802.0

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Document 2 - 10806

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Application No. 09/756,050

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Docket No. 50P3500

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Exhibit 1003 - Page 5 of 5

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Docket No. 50T0-000101

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Docket No. 30-1-2

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Docket No. 2003P-0358WO

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<212> DNA
<213> Homo sapiens

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<211> 1628
<212> DNA
<213> Homo sapiens

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<211> 1628
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<211> 526
<212> DNA
<213> Homo sapiens

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<210> 11912
<211> 414
<212> DNA
<213> Homo sapiens

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taagatgcgc ttctgttggt cgtccaacaa ggctggtatc ttaaagatga atgc 414

<210> 11913
<211> 1644
<212> DNA
<213> Homo sapiens

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<210> 11914
<211> 414
<212> DNA
<213> Homo sapiens

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<210> 11915
<211> 1644
<212> DNA
<213> Homo sapiens

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<211> 414
<212> DNA
<213> Homo sapiens

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<210> 11917
<211> 1644
<212> DNA
<213> Homo sapiens

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Docket No. 2004-0105.00 PCT

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Application No. 10/501,363 Docket No. 5050-0000

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Document 1 - Page 10841

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Docket No. 50-1505

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Docket No. 50-1212

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Docket No. 2000.05.US.CIP2

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Docket No. 5150-0-PCT

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<211> 2561
<212> DNA
<213> Homo sapiens

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<210> 11941
<211> 1249
<212> DNA
<213> Homo sapiens

<400> 11941
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tgaaagccag gtttacatca cctcacccca ttattctttt tagttaaata aatttaccat 180
gccaagtaac cagaatggag caaattggtt gatctttaag gcagtaggtt tgactagcta 240
gctatcatta ttgtcacatc taatgctagg caccagaaac catttgagcc aggagtgtga 300
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tgtgtgattg ccttagatat taaattttcc tagtgctgat aaaaacagca acattcataa 420
cttattttat atattgttcc aaagaaaaga atttgtttta atggtttcaa aataactgca 480
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aatgaagctt accttagata aggttcatat ttgtttccta tagagtaaat aaacttcccc 600
ttcttaaatt gtgtaataag caccaacgtg tggttgcttg gcagaatgag aatgttaagg 660
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tgctttttaa aatattcaga caaatatcta tcttacattg attaaacccg tgtaaattca 780
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<210> 11942
<211> 432
<212> DNA
<213> Homo sapiens

<400> 11942
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ttaaaactac ataaattaag tacttaaaat ttatattgaa ggccaccaag aacttaggtt 180
gaatcttaga aaatttaaat aactattttt aaagttaccc aacttaatat tttaattttt 240
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aaaagaattt tagagtagaa ttaatatatc aaaaggggta tatcaaccaa attggtgtca 360
gattgtattc attctctcat cacataaaga tttttctttt gataggtgat gctcatatga 420
acctttggtt ta 432

<210> 11943
<211> 127
<212> DNA
<213> Homo sapiens

<400> 11943
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tgacctcgtg atcctcccgc ctcagcctcc caaagtgctg ggattacagg tgtgagccac 120
tgcaccc 127

<210> 11944
<211> 432
<212> DNA
<213> Homo sapiens

<400> 11944
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gaatcttaga aaatttaaat aactattttt aaagttaccc aacttaatat tttaattttt 240
taatatttat cttcctttac taattcttga taaataatag cattagactt gataaaataa 300
aaaagaattt tagagtagaa ttaatatatc aaaaggggta tatcaaccaa attggtgtca 360
gattgtattc attctctcat cacataaaga tttttctttt gataggtgat gctcatatga 420
acctttggtt ta 432

<210> 11945
<211> 92
<212> DNA
<213> Homo sapiens

<400> 11945
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tgacctcgtg atcctcccgc ctcagcctcc ca 92

<210> 11946
<211> 390

<212> DNA
<213> Homo sapiens

<400> 11946
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gtgagaaccc atatatgaaa agagaggagt tgaattgtgt gtgcctttta tgtcttgaga 180
tttatatgtg gaaaagacga catctacttc aaactgtatt tttttcgttt ttttttttt 240
ttggggaagg ggggagaacg gggtcttgct ctgtcgccca ggctggagtg cagtggcgcg 300
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gtagctgaga ccacaggtgc gtgccaccac 390

<210> 11947
<211> 1812
<212> DNA
<213> Homo sapiens

<400> 11947
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ctgttggcat ggttgtctta ttggaggact gcattattgg aggactggtt tcctcttccc 180
taccaggaca atcctccgaa gttctttgag ctttttctac tgcctatttt tgcagcccag 240
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<210> 11948
<211> 1812
<212> DNA
<213> Homo sapiens

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ctgttggcat ggttgtctta ttggaggact gcattattgg aggactggtt tcctcttccc 180

US 10,975,392 B2

taccaggaca atcctcccaa gttctttgag ctttttctac tgcctatttt tgcagcccag 240
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caataaaaag aa 1812

<210> 11949
<211> 155
<212> DNA
<213> Homo sapiens

<400> 11949
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tacaaaaatt agccaggcat ggtggcgggt gcctgtaatc ccagctactt gggaggctga 120
ggcaggagaa ttgcttgaac ccgggggggtg ggggt 155

<210> 11950
<211> 760
<212> DNA
<213> Homo sapiens

<400> 11950
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tctcagtgtc ccaattccag attcttgggt gacataatat tagactcaca tattattaga 120
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<210> 11951
<211> 155
<212> DNA
<213> Homo sapiens

<400> 11951
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tacaaaaatt agccaggcat ggtggcgggt gcctgtaatc ccagctactt gggaggctga 120
ggcaggagaa ttgcttgaac ccgggggggtg ggggt 155

<210> 11952
<211> 759
<212> DNA
<213> Homo sapiens

<400> 11952
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<210> 11953
<211> 394
<212> DNA
<213> Homo sapiens

<400> 11953
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<210> 11954
<211> 25806
<212> DNA
<213> Homo sapiens

<400> 11954
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Docket No. 50-1-5000-US

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Docket No. 2000.0050-000

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Exhibit 1005 - Page 10872

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Patent Application Publication

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Docket No. 50570-2004

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Docket No. 2000.0050000

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Patent Application Publication

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Patent Application Publication

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Docket No. 2006-0506.3

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Docket No. 50570-1005

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Docket No. 50570-0005

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Doc No. 3696.1-US-P1

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Exhibit 2 Page 10904

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Docket # 0609.2110-000

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Docket No. 50P2000

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Docket No. 50468-2004

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Application No. 09/756,954

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Exhibit 1003 - Page 10913

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Docket No. 5050-0-WO-1

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Plaintiff's Exhibit 5

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Docket No. 50-1350-US-CON2

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Patent Application Publication

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Exhibit 1002 - Page 10948

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Docket No. 2005-0053.01

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Exhibit 1004, page 10954 of 11000

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Docket No. 0609.4010-000

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Docket No. 2005-0538.01

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Docket No. 2003-0052.03

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Docket No. 5050-4-PCT

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Docket No. 2005-0205.02PCT

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Docket No. 2005-0353.2

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Doc 5 pg 5 of 5 pg 4

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Docket No. 2003-0350A

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US 2003/0186904 A1

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Exhibit 1002, Page 11044 of 11044

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Exhibit 1005 - Page 5 of 5

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Docket No. 5050-4-PCT

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Exhibit 1009, p. 1009

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Docket No. 2005-0144.00

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Case 1:06-cv-00549-HHK-JMF Document 74-3 Filed 04/30/2007

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Docket No. 2003P10230WO

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US 6,946,294 B2

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Exhibit 1003 - Page 9 of 15

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Doc 1 - 5/30/2008

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Doc 1 Page 5 of 6 Pages

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Patent Application Publication Sep. 25, 2008 Sheet 5 of 5 US 2008/0234

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Exhibit 1005 - Page 5 of 5

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Docket No. 50T5-000102

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Docket No. 50570-2004

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Docket No. 5650-P01-2

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Docket No. 5050-4-PCT

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<212> DNA
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<211> 372
<212> DNA
<213> Homo sapiens

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agtcaggtgt acaggatgga acatgaaagc agactaggag cgtgaccagt gaagcacagc 360
atcacaggga ga 372

<210> 12148
<211> 403
<212> DNA

<213> Homo sapiens

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gacggtggtg tgtatgtacc cgccccatag cttcgtcttg gggttaagta agactgtaaa 240
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<210> 12149
<211> 1098
<212> DNA
<213> Homo sapiens

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<211> 1098
<212> DNA
<213> Homo sapiens

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cttattcgtg cttggtaa 1098

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<211> 1097
<212> DNA
<213> Homo sapiens

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<211> 410
<212> DNA
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catgggcaac atagttcaac tctgagtctt ggtttcctta tctctgtaat ggggacttaa 360
aattgctgtc ttgaagtgat gttgtggaaa taaaacattg aacaaagaaa 410

<210> 12153
<211> 410
<212> DNA
<213> Homo sapiens

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<210> 12154
<211> 410
<212> DNA
<213> Homo sapiens

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aattgctgtc ttgaagtgat gttgtggaaa taaaacattg aacaaagaaa 410

<210> 12155
<211> 4082
<212> DNA
<213> Homo sapiens

<400> 12155
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<211> 570
<212> DNA
<213> Homo sapiens

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<210> 12157
<211> 322
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 12162
<211> 2499
<212> DNA
<213> Homo sapiens

<400> 12162

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<211> 323
<212> DNA
<213> Homo sapiens

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<211> 492
<212> DNA

<213> Homo sapiens

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<211> 323
<212> DNA
<213> Homo sapiens

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<212> DNA
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<211> 1118
<212> DNA
<213> Homo sapiens

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gaggccgagg ccagcagatc acctgaggtc aggagttcga gaccagcctg gccaatgtgg 900
caaaaccccg tctctactaa aaatactaaa aattagccga gtttgatggc acacacttgt 960
aatcgcagct gctcaggagg ctgaggcatg agaatctctt gaacccagga ggtggaggtt 1020
gcagtgaccc aagatcatgc cactgcactc caacactcca gcctgggtga cagagcgaga 1080
ctctgtctca aaaaaaaaaa aaaaagaaaa agaaaaaa 1118

<210> 12169
<211> 1138
<212> DNA
<213> Homo sapiens

<400> 12169
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gtatgtatat ctcaatttct aatgtaacag ggtttcagag atcctcttca cattcttgcc 180
aaaactttgg agtattattt tgccagccta atcagcttga aaagttatct cattgtttta 240
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tcaggaactt tctgtgagtt acctgttaca ttccttttgct gaatatttaa tcgtttgttt 360
tttcatattt atttataggg attattttaa aattctgcat atgaatcctt tctgttgttt 420
agcaaatatc tttgcccagt ggatgactta ccttttaact ttgttcctga tgtcttttgt 480
tgagcaaaag tctttcattt taatgttatc agattttcgg tattttattc aatggtttgt 540
gctttttgaa tcattttaag gagatccttc cctacaaatc aataagaaaa atacaaacac 600
cacaataaaa ataaaagtgt ttataaaaac agacataaca ggcagttcac agaggcaaaa 660
acaccagtgg cttatagact taagaaatct cattagtaat caataaaatg caaaataaat 720
ctatactatg atatatacat ttagtactta gaatgctggc atatatttaa aggcctgaca 780
atgccaagta ttggtgaaca tacgaaacaa taagaactct atgtaacctc agcactttgg 840
gaggccgagg ccagcagatc acttgaggtc aggagttcga gaccagcctg gccaatgtgg 900
caaaaccccg tctctactaa aaatactaaa aattagccga gtttgatggc acacacttgt 960
aatcgcagct gctcaggagg atgaggcatg agaatctctt gaacccagga ggtggaggtt 1020
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<210> 12170
<211> 1141
<212> DNA
<213> Homo sapiens

<400> 12170
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gtatgtatat ctcaatttct aatgtaacag ggtttcagag atcctcttca cattcttgcc 180
aaaactttgg agtattattt tgccagccta atcagcttga aaagttatct cattgtttta 240
atttgcatgt ttctgatttc cagtgaggtt atgcatgtat tcttaacatt tattggcctt 300
tcaggaactt tctgtgagtt acctgttaca ttcctttgct gaatatttaa tcgtttgttt 360
tttcatattt atttataggg attattttaa aattctgcat atgaatcctt tctgttgttt 420
agcaaatatc tttgcccagt ggatgactta ccttttaact ttgttcctga tgtcttttgt 480
tgagcaaaag tctttcattt taatgttatc agattatcgg tattttattc aatggtttgt 540
gctttttgaa tcattttaag gagatccttc cctacaaatc aataagaaaa atacaaacaa 600
cacaataaaa ataaaagtgt ttataaaaac agacataaca ggcagttcac agaggcaaaa 660
acaccagtgg cctatagact taagaaatct cattagtaat caataaaatg caaaataaat 720
ctatactatg atatatacat ttagtactta gaatgctggc atatatttaa aggcctgaca 780
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caaaaccccg tctctactaa aaatactaaa aattagccga gtttgatggc acacacttgt 960
aatcgcagct gctcaggagg ctgaggcatg agaatctctt gaacccagga ggtggaggtt 1020
gcagtgaccc aagatcatgc cactgcactc caacactcca gcctgggtga cagagcgaga 1080
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a 1141

<210> 12171
<211> 911
<212> DNA
<213> Homo sapiens

<400> 12171
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ggtatttata ctattagttc aagggtagct ttgtttttat ttacttttg ttatgaaata 120
ttaatatacc aaaagttata tagaataata tagcaaatac ctgtgtagcc agccaacctt 180
tattaatcat tatcaattcc taatattttc catatttgct taattaaaaa aataataaag 240
cattatagat attcctgaag acttccacat attcctcacc aatcccattc tcctttatcc 300
tttccagatg taaccactat cctgaatttg ctatttataa ttcctgtgca cgtttttata 360
tttttactac atagccatat attcacaaat aacatatagt tttatatgtt ttaaaactat 420
atagatgaca tactctatca ttctacaacc tttttgactc aatatgcata atgcttttga 480
aatttatttc taaagataca aggaactata tagtattcca ttgtagaaat agaccatcat 540
ttgttatatt tatccacttt cctgaagatt tgttctttct gttattttgc tattacagtt 600
aattctgcaa caagtattat catacacctc ttgttgcaca tatgccagac tttttctagg 660
acagtgtttt tcaaacttag attacaatta gtaggttaca accaatggga tttttttaat 720
gaaatggaat agaatagaaa atatcaaaaa gtgttcccta cagtatgtta gggtaattac 780
tgtttcttaa agctttttt ttatatgtgt ttgtgtatat gtgacataat gtgtgtgggg 840
ccacattgaa gaatgcagtt cttcgtgtag atctcaatca aaagtgttgg gaaggtgtca 900
ttctattaca g 911

<210> 12172
<211> 1071
<212> DNA
<213> Homo sapiens

<400> 12172
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aggttacagg ctggagacac aggcacacta aaagattgag acttcatcat aggattagag 120
aatgcctccc cttccacacc ttgctactac atcaacagag cttcagtata ataatcgtgg 180
attatagctg aaagacctgc aaggatcaga ctctatttaa ggaggttttt ttgttgctgt 240
tttgttttga tttgtttttt ttttttttg taaatccaaa ggaaacaagg gagacaaaaa 300
gacagtagaa gaaacagaaa cttctgacac ctacagctac atcaaacatt aagcacagcc 360
caactcctgg ccagattaac ataaaacctc atactaatgg tctctttgga ttagttccta 420
ttacttgata gatcatgtcc agttttcaac aaaagaaatt ataacgtatg ctaaaaaaaa 480
aaaaaacaca cattctgaag aggcaaaaca agcgtgagaa ccaaattcag gttttggaat 540
tatcagatat ggaatttaaa ataaccacga ttaatatact aagtaggcta tgaataaaag 600
tagataacat gcaagaccag atggctaatc taaacagaga gaaactctaa gaaagaatca 660
aaaggagttg ctagaaatca aaaacactgt aacaaatgaa gaatgccttt gataggctca 720
tcagtaagtt ggaaacagcc aaggaaggaa tcagtaaggt tgaagacatg gcaataaaaa 780
cttcccatgc tgaaatacaa aggaaaaaaa gactgaaaaa aaggaacaga atatccaaga 840
actatgggac gatttcagag tataacatac atgttattgg aataccaaaa ggagaagaga 900
aaaagaagga gaagaaatat ttgaagtagt aatggatgag aattttccaa aattaatagc 960
agataacaaa ctacagatct gggaagctcc aagaacacca agcaggataa ataccagaac 1020
tacacctaag cgtatcatgt tcaaactaca gaaagacaaa gaaaagattt t 1071

<210> 12173
<211> 911
<212> DNA
<213> Homo sapiens

<400> 12173
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ggtatttata ctattagttc aagggtagct ttgtttttat ttacttttg ttatgaaata 120
ttaatatacc aaaagttata tagaataata tagcaaatac ctgtgtagcc agccaacctt 180
tattaatcat tatcaattcc taatattttc catatttgct taattaaaaa aataataaag 240
cattatagat attcctgaag acttccacat attcctcacc aatcccattc tcctttatcc 300
tttccagatg taaccactat cctgaatttg ctatttataa ttcctgtgca cgtttttata 360
tttttactac atagccatat attcacaaat aacatatagt tttatatgtt ttaaaactat 420
atagatgaca tactctatca ttctacaacc tttttgactc aatatgcata atgcttttga 480
aatttatttc taaagataca aggaactata tagtattcca ttgtagaaat agaccatcat 540
ttgttatatt tatccacttt cctgaagatt tgttctttct gttattttgc tattacagtt 600
aattctgcaa caagtattat catacacctc ttgttgcaca tatgccagac tttttctagg 660
acagtgtttt tcaaacttag attacaatta gtaggttaca accaatggga ttttttttaat 720
gaaatggaat agaatagaaa atatcaaaaa gtgttcccta cagtatgtta gggtaattac 780
tgtttcttaa agctttttt ttatatgtgt ttgtgtatat gtgacataat gtgtgtgggg 840
ccacattgaa gaatgcagtt cttcgtgtag atctcaatca aaagtgttgg gaaggtgtca 900
ttctattaca g 911

<210> 12174
<211> 462
<212> DNA
<213> Homo sapiens

<400> 12174
aggctcttct agccttcctg tctcatctaa gagagaaaaa aagctgtgaa gtgcttgtga 60
aggttacagg ctggagacac aggcacacta aaagattgag acttcatcat aggattagag 120
aatgcctccc cttccacacc ttgctactac atcaacagag cttcagtata ataatcgtgg 180
attatagctg aaagacctgc aaggatcaga ctctatttaa ggaggttttt ttgttgctgt 240
tttgttttga tttgtttttt ttttttttt gtaaatccaa aggaaacaag ggagacaaaa 300
agacagtaga aaaaacagaa acttttgaca cctacagcta catcaaacat taagcacagc 360
ccaactcctg gccagattaa cataaaacct catactaatg ggctctttgg attagatcct 420
attacttgat agatcatgtc cagatttcaa caaaagaaat ta 462

<210> 12175
<211> 911

<212> DNA
<213> Homo sapiens

<400> 12175
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ggtatttata ctattagttc aagggtagct ttgtttttat ttacttttg ttatgaaata 120
ttaatatacc aaaagttata tagaataata tagcaaatac ctgtgtagcc agccaacctt 180
tattaatcat tatcaattcc taatattttc catatttgct taattaaaaa aataataaag 240
cattatagat attcctgaag acttccacat attcctcacc aatcccattc tcctttatcc 300
tttccagatg taaccactat cctgaatttg ctatttataa ttcctgtgca cgtttttata 360
tttttactac atagccatat attcacaaat aacatatagt tttatatgtt ttaaaactat 420
atagatgaca tactctatca ttctacaacc tttttgactc aatatgcata atgcttttga 480
aatttatttc taaagataca aggaactata tagtattcca ttgtagaaat agaccatcat 540
ttgttatatt tatccacttt cctgaagatt tgttctttct gttattttgc tattacagtt 600
aattctgcaa caagtattat catacacctc ttgttgcaca tatgccagac tttttctagg 660
acagtgtttt tcaaacttag attacaatta gtaggttaca accaatggga ttttttttaat 720
gaaatggaat agaatagaaa atatcaaaaa gtgttcccta cagtatgtta gggtaattac 780
tgtttcttaa agctttttt ttatatgtgt ttgtgtatat gtgacataat gtgtgtgggg 840
ccacattgaa gaatgcagtt cttcgtgtag atctcaatca aaagtgttgg gaaggtgtca 900
ttctattaca g 911

<210> 12176
<211> 238
<212> DNA
<213> Homo sapiens

<400> 12176
acagggccag gagatcgaga ccatcctggc taagatggtg aaaccccgtc tctactaaaa 60
atacaaaaaa ttagccaggc atggtggcgg gcgcctgtag tcccagctac tcgggaggct 120
gaggcaggag aatggcctga acctgggagg cagagcttgc agtgagccga gatcatgcca 180
ctgcactcca gcctgggtgg cagagcgaga ctctgtctca aaaaaaaaaa aaaacaaa 238

<210> 12177
<211> 181
<212> DNA
<213> Homo sapiens

<400> 12177
aattagccgg gcgtggtggc aggcgcctgt agtcccagct acttgggagg ctgaggcagg 60
agaatggcgt gaaccaggga ggcggagctt gcagtgagct gagatcgcgc cactgcactc 120
cagcctgggc gacagggcaa gactccgtct caaaaaaaaa aaaaaaaaaa aaaaaattgt 180
g 181

<210> 12178
<211> 364
<212> DNA
<213> Homo sapiens

<400> 12178
aaccaccatc aaacaggatt ttcgcctgct ggggcaaacc agcgtggacc gcttgctgca 60
actctctcag ggccaggcgg tgaagggcaa tcagctgttg cccgtctcac tggtgaaaag 120
aaaaaccacc ctggcgccca atacgcaaac cgcctctccc cgcgcgttgg ccgattcatt 180
aatgcagctg gcacgacagg tttcccgact ggaaagcggg cagtgagcgc aacgcaatta 240
atgtgagtta gctcactcat taggcacccc aggctttaca ctttatgctt ccggctcgta 300
tgttgtgtgg aattgtgagc ggataacaat ttcacacagg aaacagctat gaccatgatt 360
acgc 364

<210> 12179
<211> 142
<212> DNA
<213> Homo sapiens

<400> 12179
gcgggcacct gtagtcccag ctactcggga gactgaggca ggagaatggc gtgaacctgg 60
gaggcggagc ttgcagtgag ctgagattgc gccactgcac tccagcctgg gcaacagagc 120
gaaactccgt ctccaaaaga aa 142

<210> 12180
<211> 247
<212> DNA
<213> Homo sapiens

<400> 12180
gaatggcaga aattcgacga cacagcgagc gaggaagcgg aagagcgccc aatacgcaaa 60
ccgcctctcc ccgcgcgttg gccgattcat taatgcagct ggcacgacag gtttcccgac 120
tggaaagcgg gcagtgagcg caacgcaatt aatgtgagtt agctcactca ttaggcaccc 180
caggctttac actttatgct tccggctcgt atgttgtgtg gaattgtgag cggataacaa 240
tttcaca 247

<210> 12181
<211> 170
<212> DNA
<213> Homo sapiens

<400> 12181
tcgggcgcct gtagtcccag ctacttggga ggctgaggca ggagaatggc gtgaacccgg 60
gaggcggagc ttgcagtgag ccgagatccc gccactgcac tccagcctgg gcgacagagc 120
gagactccgt ctcacaaaat aaaaaaaaaa taaaataaaa taaaataaaa 170

<210> 12182
<211> 184
<212> DNA
<213> Homo sapiens

<400> 12182
cgtggtggcg ggcgcctgta gtcccagcta ctcgggaggc tgaggcagga gaatggcgtg 60
aacctgggag gcggagcttg cagtgagccg agatcgcgcc actgcactcc agcctgggcg 120
acagagcgag agtccgtctc aaaaaaaaaa aaaaaaaaga aaagaaaaaa gaacaaacaa 180
cagc 184

<210> 12183
<211> 131
<212> DNA
<213> Homo sapiens

<400> 12183
ggaggctgag gcaggagaat ggcgtgaacc caggaggcgg agcttgcagt gagctgagat 60
tgcgccactg cactccagcc tgggcaacag agcgagactc cgtctgaaaa aaaaaaaaac 120
aaaaactggt g 131

<210> 12184
<211> 227
<212> DNA

<213> Homo sapiens

<400> 12184
taagaccatc ctggctaaca cggtgaaacc ccgtctctac taaaaataca aaaattagcc 60
aggcgtggtg gcgggcgcct gtagtcccag ctacttggga ggctgaggca ggagaatggc 120
atgaacccgg gaggtggagc ttgcagtgag ctgagatcgc gccactgcac tccagcctgg 180
gcaacagagc gagactctgt ctcaaaaaaa aaaaaaaaaa tcaagta 227

<210> 12185
<211> 47
<212> DNA
<213> Homo sapiens

<400> 12185
gcactccaac ctgggcgaca gagcaagact ccgtctcaaa aaaaaaa 47

<210> 12186
<211> 91
<212> DNA
<213> Homo sapiens

<400> 12186
cccgggaggc ggagcttgca gtgagctgag attgcaccac tacactccag cctgggcgac 60
agagtgagac tctgtctcaa aaaaaaaaga a 91

<210> 12187
<211> 143
<212> DNA
<213> Homo sapiens

<400> 12187
gtagtcccag ctactgggga ggctgaggca ggagaatggc gtgaacctgg gaggcggagc 60
ttgcagtgag ccgagatcgc gccactgcac tccagcctgg gcgacagagc gagactccgt 120
ctcaaaaaaa aaaaaaagaa atg 143

<210> 12188
<211> 686
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (95)
<223> n equals a,t,g, or c

<400> 12188
caccaaggcc agtttggaag cgaacggcta ccccgaaatt aagatactac agcgtgagtt 60
atgagaaagc gccacgcttc ccgagggaag aaagncggga cagttatccg gtagccggca 120
gggtcgaacc agaagagcgc acgaggagct tccaagggga aaacgcctgg tatctttata 180
gtcctgtcgg gtttcgccac ctctgacttg agcgtcgatt tttgtgatgc tcgtcagggg 240
ggcggagcct atggaaaaac gccagcaacg cggccttttt acggttcttg gccttttgct 300
ggccttttgc tcacatgttc tttcctgcgt tatcccctga ttctgtggat aaccgtatta 360
ccgcctttga gtgagctgat accgctcgcc gcagccgaac gaccgagcgc agcgagtcag 420
tgagcgagga agcggaagag cgcccaatac gcaaaccgcc tctccccgcg cgttggccga 480
ttcattaatg cagctggcac gacaggtttc ccgactggaa agcgggcagt gagcgcaacg 540
caattaatgt gagttagctc actcattagg caccccaggc tttacacttt atgcttccgg 600
ctcgtatgtt gtgtggaatt gtgagcggat aacaatttca cacaggaaac agctatgacc 660

atgattacga attcgagctc ggtacc 686

<210> 12189
<211> 141
<212> DNA
<213> Homo sapiens

<400> 12189
cagctactcg ggaggctgag gcaggagaat ggcgtgaacc tgggaggcag agcttgcagt 60
gagccgagac agcgccactg cactccagcc tgggtgaaag agcgagactc cgtctcaaaa 120
aaaaaaaaaa aaaaaaaatt t 141

<210> 12190
<211> 184
<212> DNA
<213> Homo sapiens

<400> 12190
aaatacaaaa aattagccag gcgtggtggc gggtgcctgt agtcccagct actcgggagg 60
ctgaggcagg agaatggcat gaacctggga ggcggagctt gcagtgagct gagatcgtgc 120
cactgcactc cagcctgggc aacagagcaa gaccccgtct caaaaaaaaa aaaaaaaaaa 180
ggaa 184

<210> 12191
<211> 108
<212> DNA
<213> Homo sapiens

<400> 12191
tggcgtgaac ctgggaggca gagcttgcag tgagctgaga ttgcgccact gcactccagc 60
ctgggcaaca gagtgagact ccatcttaaa aaaaaaaaaa aaaatata 108

<210> 12192
<211> 105
<212> DNA
<213> Homo sapiens

<400> 12192
ctggaacctg ggaggcagag tttgcagtga gccgagatca ggccactgca ctccagcctg 60
ggcaacagag caagactctg tctcaaaaaa aaaaaaaaaa aaaag 105

<210> 12193
<211> 175
<212> DNA
<213> Homo sapiens

<400> 12193
cgggcgtagt ggcgggcgcc tgtagtccca gctacttggg aggctgaggc aggagaatgg 60
cgtgaacccg ggaggcggag cttgcagtga gccgagattg cgccactgca ctccagcctg 120
ggcgacagag cgagactccg tctcaaaaaa aaaaaaaaaa aaaaaaaaaa atcac 175

<210> 12194
<211> 189
<212> DNA
<213> Homo sapiens

<400> 12194
caaaaaaatt agcggggcgt agtggcgggc gcctgtagtc ccagctactt gggaggctga 60
ggcaggagaa tggcgtgaac ccgggaggcg gagcttgcag tgagccgaga tcccgccact 120
gcactccagc ctgggcgaca gagcgagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa 180
gaaatgaca 189

<210> 12195
<211> 207
<212> DNA
<213> Homo sapiens

<400> 12195
aaccccatct ctattaaaat acaaaaatta gccgggcgtg gtggcgggcg cctgtagtcc 60
cagctacttg ggaggctgag gcaggagaat ggcgtgaacc cgggaggcgg agcttgcagt 120
gagccgagat cccgccactg cactccagcc tgggcgacag agcgagactc cgtctcaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaga 207

<210> 12196
<211> 162
<212> DNA
<213> Homo sapiens

<400> 12196
agctacttgg gaggctgagg caggagaatg gcgtgaaccc gggaggcgga gcttgcagtg 60
agccgagatc ccgccactgc actccagcct gggcgacaga gcgagactcc gtctcaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaca aa 162

<210> 12197
<211> 171
<212> DNA
<213> Homo sapiens

<400> 12197
agccgggcgt ggtggcgggc gcctgtagtc ccagctactt gggaggctgg ggcaggagaa 60
tggcgtgaac ctggaggtgg agcttgcagt gagccgagat cgcgccactg cactccagcc 120
tgggcaacag agcgagactc cgtctgaaaa aaaaaaaaaa aagaaataga g 171

<210> 12198
<211> 100
<212> DNA
<213> Homo sapiens

<400> 12198
ctgaggcagg agaatggcgt gaacccgaga ggcggagctt gcagtgagcc gagatcgcgc 60
cactgcactc cagcctgggc gacagagcga gactcccctt 100

<210> 12199
<211> 129
<212> DNA
<213> Homo sapiens

<400> 12199
gaatggcgta accgggaggc ggagcttgca gtgagccgag atcgcgccac tgcactccag 60
cctgggcgac agagcgagac tccgtctcaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaacaaaga 129

<210> 12200
<211> 193
<212> DNA
<213> Homo sapiens

<400> 12200
aaaaattagc cgggcgtggt ggcgggcgcc tgtagtccca gctactcgag aggctgaggc 60
aggagaatgg cgtgaacccg ggaggcggag cttgcagtga gccgagatcg cgccactgca 120
ctccagcctg ggcgacagag cgagactccg tctcaaaaaa aaaaaaaaaa aaaaaaaaga 180
tcagaaaaaa ata 193

<210> 12201
<211> 177
<212> DNA
<213> Homo sapiens

<400> 12201
cataaattag ccgggcgtag tggcgggcgc ctgtagtccc agctacttgg gaggctgagg 60
caggagaatg gcgtgaaccc gggaggcgga gcttgcagtg agccgagatc ccgccactgc 120
actccagcct gggcgacaga gcgagactcc gtctcaaaaa aaaaaaaaaa atgagtc 177

<210> 12202
<211> 140
<212> DNA
<213> Homo sapiens

<400> 12202
ggctgaggca ggagaatggc gtgaacccgg gaggcggagc ttgcagtgag tcgagatcgc 60
gccactgcac tccagcctgg gcgacagagc gaaactccgt ctcaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa gaggggaaaa 140

<210> 12203
<211> 114
<212> DNA
<213> Homo sapiens

<400> 12203
gaggcaggag aatggcgtga accctggagg cagagcttgc agtgagccga gatcgcgcca 60
ctgcactcca gcctgggcga cagagcaaga ttccgtctca aaaaaaaaaa aacg 114

<210> 12204
<211> 114
<212> DNA
<213> Homo sapiens

<400> 12204
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<212> DNA
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<211> 121
<212> DNA
<213> Homo sapiens

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<211> 166
<212> DNA
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<212> DNA
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<212> DNA
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<400> 12210

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<213> Homo sapiens

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ctgtctcaga aaaaaaaaga aaaaagaaaa aagaaaat 158

<210> 12212
<211> 193
<212> DNA
<213> Homo sapiens

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cgtgaacccg ggaggcggag cttgcagtga gccgagatcg cgccactgca ctccagcctg 120

ggcgacagag cgagactccg tctcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaattgac 180
tcctaatcaa aaa 193

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<211> 95
<212> DNA
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<211> 108
<212> DNA
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<211> 136
<212> DNA
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<400> 12215
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gcactccagc ctgggcgaca gagtgagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaa 136

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<211> 192
<212> DNA
<213> Homo sapiens

<400> 12216
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aagtagacaa aa 192

<210> 12217
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<212> DNA
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<211> 142
<212> DNA

<213> Homo sapiens

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aaaaaaaaaa aaaaaaaatg ga 142

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<211> 123
<212> DNA
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tta 123

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<213> Homo sapiens

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<210> 12221
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<210> 12223
<211> 131
<212> DNA
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<400> 12223

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tagctgggac t 131

<210> 12224
<211> 288
<212> DNA
<213> Homo sapiens

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<211> 268
<212> DNA
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<211> 160
<212> DNA
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<211> 368
<212> DNA
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<212> DNA
<213> Homo sapiens

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<211> 288
<212> DNA
<213> Homo sapiens

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<212> DNA
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09350204 - 3 Jan 2008

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Page 2 of 2 - 9/6/2005 9:56:26 PM

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<211> 1466
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<211> 88
<212> DNA
<213> Homo sapiens

<400> 12253
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tgagactctg tcttaaaaaa aaaaaaaa 88

<210> 12254
<211> 2331
<212> DNA
<213> Homo sapiens

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<212> DNA
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<211> 2331
<212> DNA
<213> Homo sapiens

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caaagggaga agcctggcct ctctctactc agtcaaggtt catgacttta ggagactgca 180
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<212> DNA
<213> Homo sapiens

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<210> 12258
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<212> DNA
<213> Homo sapiens

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<211> 171
<212> DNA
<213> Homo sapiens

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<211> 12280
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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tagccgggcg tggtggcgga cgcctgtagt cccagctact cgggaggctg aggcaggaga 120
atggcgtgaa cccgggaggc ggagcttgca gtgagccgag atcgcgccac tgcactccag 180
cctgggcgac agagcgagac tccgtctcaa aaaaaaaaaa aaaaaaaaan aataa 235

<210> 12278
<211> 187
<212> DNA
<213> Homo sapiens

<400> 12278
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agctacttgg gaggctgagg caggagaatg gtgtgaaccc gggaggcgga gcttgcagtg 120
agccgagatc gcgccactgc gctccagcct gggcgacaga gcgaaactcc gtctaaaaaa 180
aaaaaaa 187

<210> 12279
<211> 143
<212> DNA
<213> Homo sapiens

<400> 12279
gtagtcccag ctactgggga ggctgaggca ggagaatggc gtgaacctgg gaggcggagc 60
ttgcagtgag ccgagatcgc gccactgcac tccagcctgg gcgacagagc gagactccgt 120
ctcaaaaaaa aaaaaaagaa atg 143

<210> 12280
<211> 170
<212> DNA
<213> Homo sapiens

<400> 12280
gccgggcgtg gtagcgggcg cctgtagtcc cagctactcg ggaggctgag gcaggagaat 60
ggcgtgaacc cgggaggcgg agcttgcagt gagccgagat ctcgccactg cactccagcc 120
tgggcgacag agcgagactc cgtctcaaaa aaaaaaaaaa aaaaagactg 170

<210> 12281
<211> 184
<212> DNA
<213> Homo sapiens

<400> 12281
aaatacaaaa aattagccag gcgtggtggc gggtgcctgt agtcccagct actcgggagg 60
ctgaggcagg agaatggcat gaacctggga ggcggagctt gcagtgagct gagatcgtgc 120
cactgcactc cagcctgggc aacagagcaa gaccccgtct caaaaaaaaa aaaaaaaaaa 180
ggaa 184

<210> 12282
<211> 125
<212> DNA
<213> Homo sapiens

<400> 12282
ctgaggcagg agaatggcgt gaacccggga ggcggagctt gcagtgagcc gagatggcgc 60
cactgcagtc cagcctgggc gatagagcga gactctgtct caaaaaaaaa aaaaaaaaaa 120
aaatt 125

<210> 12283
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (106)
<223> n equals a,t,g, or c

<400> 12283
tctactaaaa atacaaaaaa ttagccgggc gtagtggcgg gcgcctgtag tcccagctac 60
ttgggaggct gaggcaggag aatggcgtga acccgggagg cggacntgca gtgagccgag 120
atcccgccac tgcactccag cctgggcgac agagcgagac tccgtctcaa aaaaaaaaaa 180
aaaaaaaaaa gaaata 196

<210> 12284
<211> 183
<212> DNA
<213> Homo sapiens

<400> 12284
aatacaaaaa attagccggg tgtggtggcg ggcgcctgta gtcccagcta ctcgggaggc 60
tgaggcagga gaatggcgtg aacccgggag gtggagcttg cagtgagctg agatcgtgcc 120

actgcactcc agcctgggcg acagagcgag actccgtctc aaaaaaaacc cacaaacaac 180
aaa 183

<210> 12285
<211> 175
<212> DNA
<213> Homo sapiens

<400> 12285
cgggcgtagt ggcgggcgcc tgtagtccca gctacttggg aggctgaggc aggagaatgg 60
cgtgaacccg ggaggcggag cttgcagtga gccgagattg cgccactgca ctccagcctg 120
ggcgacagag cgagactccg tctcaaaaaa aaaaaaaaaa aaaaaaaaaa atcac 175

<210> 12286
<211> 196
<212> DNA
<213> Homo sapiens

<400> 12286
tctactgaaa atacagaaaa attagccggg cgtggtagcg ggcgcctgta gtcccagcta 60
ctcgggaggc tgaggcagga gaatggcgtg aacccgggag gcggagcttg cagtgagccg 120
agatcgcgcc actgcactcc agactgggcg acagagcgag actccgtctc aaaaaaaaaa 180
aaaaaaaaaa aatgac 196

<210> 12287
<211> 159
<212> DNA
<213> Homo sapiens

<400> 12287
ctgtggtccc agctactcgg gaggctgagg gaggagaatg gcgtgaaccc aggaggcaga 60
gcttgcagtg agccgagatc gcgccactgc actccagcct gggtgacaga gcgagactcc 120
gtctcaaaaa aaaaaaaaaa gaaaagaaaa agaaaaata 159

<210> 12288
<211> 190
<212> DNA
<213> Homo sapiens

<400> 12288
ccgtctctac taaaaatacg aaaaattagc caggcgtggt ggcaggtgcc tgtggtccca 60
gctactcggg aggctgaggc aggagaatgg catgaaccca ggaggcggag cttgcagtga 120
gccgagatca tgccactgca ctccagcctg ggtgacagag tgagaccatc tcacaaaaaa 180
aaaaaaaaaa 190

<210> 12289
<211> 219
<212> DNA
<213> Homo sapiens

<400> 12289
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tgctggtggg tgcctgtagt cccagctact cgggaggctg aggcaggaga atggcgtgaa 120
cccaggaggc ggagcttgca gagagccgag atctcgccac tgcactccag cctgggcgac 180
agagcgagac tccgtctcaa aaaaaaaaga aaaaagaaa 219

<210> 12290
<211> 154
<212> DNA
<213> Homo sapiens

<400> 12290
tggtagtccc agctactcgg taggctgagg caggagaatg gcttgaaccc ggtaggcgga 60
gcttgcagtg agccgagatc acgccactgc actccagcct gggccacaga gcgagactcc 120
gtctcaaaaa aaaaaaaaaa aaagaaagaa attg 154

<210> 12291
<211> 169
<212> DNA
<213> Homo sapiens

<400> 12291
aatacaaaaa attagccagg cgtggtcgcg ggtgcctgta gtcccagcta ctcaggaggc 60
tgaggcagga gaatggcgtg aacccgggag gcggagcttg cagtgagcag agattgcgcc 120
actgcactcc agcctgggcg acagagtgag actccgtctc aaaaaagaa 169

<210> 12292
<211> 207
<212> DNA
<213> Homo sapiens

<400> 12292
aaccccgtct ctactaaaaa tacaaaaaaa tagccgggcg tagtggcggg cgcctgtagt 60
cccagctact tgggaggctg aggcaggaga atggcgtgaa cccgggaggc ggagcttgca 120
gtgagcccag atcccgccac tgcactccag cctgggcgac agagcgagac tccgtctcaa 180
aaaaaaaaaa aaaaaaaaaa gactgcg 207

<210> 12293
<211> 230
<212> DNA
<213> Homo sapiens

<400> 12293
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gtggtagcgg gcgcctgtag tcccagctac tcgggaggtt gaggcaggag aatggcgtga 120
acccgggagg cggagcttgc agtgagccga gatcgcgcca ctgcactcca gcttgggcga 180
cagagcgaga ctccgtctca aaaaaaaaaa aaaaaaaaaa aaaagaataa 230

<210> 12294
<211> 189
<212> DNA
<213> Homo sapiens

<400> 12294
caaaaaaatt agcggggcgt agtggcgggc gcctgtagtc ccagctactt gggaggctga 60
ggcaggagaa tggcgtgaac ccgggaggcg gagcttgcag tgagccgaga tcccgccact 120
gcactccagc ctgggcgaca gagcgagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa 180
gaaatgaca 189

<210> 12295
<211> 207

<212> DNA
<213> Homo sapiens

<400> 12295
aaccccatct ctattaaaat acaaaaatta gccgggcgtg gtggcgggcg cctgtagtcc 60
cagctacttg ggaggctgag gcaggagaat ggcgtgaacc cgggaggcgg agcttgcagt 120
gagccgagat cccgccactg cactccagcc tgggcgacag agcgagactc cgtctcaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaga 207

<210> 12296
<211> 150
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> n equals a,t,g, or c

<400> 12296
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gcttgcagtg agccgagatc gcgccactgc actctagcct gggcgacaga gcgagactcc 120
gtctcaaaaa aaaaaaaaaa aaaacaactt 150

<210> 12297
<211> 162
<212> DNA
<213> Homo sapiens

<400> 12297
agctacttgg gaggctgagg caggagaatg gcgtgaaccc gggaggcgga gcttgcagtg 60
agccgagatc ccgccactgc actccagcct gggcgacaga gcgagactcc gtctcaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaca aa 162

<210> 12298
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (98)
<223> n equals a,t,g, or c

<400> 12298
cggtggctca cgcctgtaat cccagcactt ggggaggccg aggcgggcgg atcacgaggt 60
caggagatcg agaccatcct ggctaacacg gtgaaacncc gtctctacta aaaatataaa 120
aaattagcca ggcgtggtgg tgggcgcctg tagtcccagc tactcaggag gctgaggcag 180
gagaatggcg tgaacccggg aggcggagct tgcagtgagc cgagatcgtg ccactgcact 240
ccagcctggg cgacagagtg agactccgtc tcaaaaaaaa aaaaaaaaaa gttattcttc 300
g 301

<210> 12299
<211> 1092
<212> DNA
<213> Homo sapiens

<400> 12299
cacaactctg ggaggaagag tatcccaacc tttgggtgaa caaactgaat ctcaaatatt 60
ttataattta tccaagctgg taagtggcag agctgggatt tgaacccagg tctgtcttgt 120
tctaaatgcc ctgctttttt tcactgcatc ttcctcttgt gccatgtggt taaagatagg 180
cttcctttca atattcagtt tagttctatt ttacaaaact tcactaagca cctaccatgt 240
gccatactct ctggtgggcc cagaggacaa agagatgtat tagacctgac ccctgacttg 300
aggaactcca tgtttaatgg aaaagtagat gactgaccac taagatccag gatttaggtt 360
tctttcttgc tacccataga aatagcaata ttgccttgtg gatccctgga ccattttcct 420
catgggaagg atatctttgg cttggattaa aactgcaaag cataggataa gaagtcagtt 480
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cgcgccactg cactccagcc taagcgacag agcgagactc cgtctcaaaa aaaaaaaaaa 1080
aaagaaagtg ac 1092

<210> 12300
<211> 267
<212> DNA
<213> Homo sapiens

<400> 12300
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aaaaatacaa aaaatcagcc gggcgtggtg gcgggcgcct gtagtcccag ctactcagga 120
ggctgaggca ggagaatggc gtgaacccgg taggcggagc ttgcagtgag ccgagattgc 180
gccactgcac tccagcctgg gcgacagagc gagactccgt ctcaaaaaaa aaaaaaaaaa 240
aaaaagaaaa gaaaagaaaa gaaaaac 267

<210> 12301
<211> 246
<212> DNA
<213> Homo sapiens

<400> 12301
gatcacgagg tcaggagatc gagaccatcc tggctaacac ggtgaaaccc catctctact 60
aaaaatacaa aaaattagct gggcgtggtg gcaggcgcct gtagtcccag ctactcagga 120
ggctgaggca ggagaatggc gtgaacctgg gaggtggagc ttgcagtgag ccgagattgc 180
gccactgcac tccagcctgg gcgacagagt gagactccgt ctcaaaaaaa aaaaacaaaa 240
aaacaa 246

<210> 12302
<211> 193
<212> DNA
<213> Homo sapiens

<400> 12302
aaaaattagc cgggcgtggt ggcgggcgcc tgtagtccca gctactcgag aggctgaggc 60
aggagaatgg cgtgaacccg ggaggcggag cttgcagtga gccgagatcg cgccactgca 120
ctccagcctg ggcgacagag cgagactccg tctcaaaaaa aaaaaaaaaa aaaaaaaaga 180
tcagaaaaaa ata 193

<210> 12303

<211> 3991
<212> DNA
<213> Homo sapiens

<400> 12303
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agctacttgg gaggctgagg caggagaatg gcgtgaaccc gggaggcgga gcttgcagtg 120
agccgagatc ccgccactgc actccagcct gggcgacaga gcgagactcc gtctcaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaggcgtcag ctttttatcg cacaaaattg cagatcaaaa 240
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ttttaggggg cactattcaa tatactgcat gtagcaagag aatactagcg catgtatcat 600
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gtgataaaag tgaaaagcta acatttaaaa ctcgatctgt cagccaggtg cagtggctca 720
cgcctgtaat cccagcactt tgggaggcca agacaggcag atcacgaggt caggatatcg 780
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ctgacagtga tggagcaact gctgcttacc tgattgtttc atcatgctta tatcattcaa 2100
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caactgcctg aaatgaaata ttcaacacaa gcctcaattc ttgccagctt ttccattatt 3420
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gaaaacataa ggaataagtc tttgtaacct tgggttacac aatggtttcc tggatctggc 3600
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gaccatcctg gctacggtga atccccgtct ctactaaaca tacaaaaaat tagcggggcc 3900
tggtggcggg cgcctgtagt cccagctact cgggaggctg aggcaggaga atggcgtgaa 3960
cccgggaggc ggagcttgca gtgagctgag a 3991

<210> 12304
<211> 177
<212> DNA
<213> Homo sapiens

<400> 12304
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caggagaatg gcgtgaaccc gggaggcgga gcttgcagtg agccgagatc ccgccactgc 120
actccagcct gggcgacaga gcgagactcc gtctcaaaaa aaaaaaaaaa atgagtc 177

<210> 12305
<211> 140
<212> DNA
<213> Homo sapiens

<400> 12305
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gccactgcac tccagcctgg gcgacagagc gaaactccgt ctcaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa gaggggaaaa 140

<210> 12306
<211> 187
<212> DNA
<213> Homo sapiens

<400> 12306
aaaaatacaa aaaattagcc gggcgtcgtg gcgggcgcct gtggtcccag ctactcggga 60
ggctgaggca ggagaatggc gtgaacccgg gaggcggagc ttgcagtgag ccgagatcgc 120
gccactgcac tccagcctgg gcgacagagc gagactccgt ctcaaaaaaa aaaaaaaaaa 180
aaagggg 187

<210> 12307
<211> 246
<212> DNA
<213> Homo sapiens

<400> 12307
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aaaatacaaa aaattagccg ggcgtagtgg cgggcgcctg tagtcccagc tactcaggag 120
gctgaggcag gagaatggcg tgaacccggg aggcggagct tgcagtgagc cgagatcccg 180
ccactgcact ccagcctggg cgacagagcg agactccgtc tcaaaaaaaa aaaaaaaaaa 240
aatgga 246

<210> 12308

<211> 153
<212> DNA
<213> Homo sapiens

<400> 12308
cccagctact cgggaggctg aggcaggaga atggcgtgaa cccgggaggc ggagcttgca 60
gtgagccgag atcgcgccac tgcactccag cctgggcgac agagcgagac tccgtctcaa 120
aaaaaaaaaa aaaaaaaaga aagcagtggg gcc 153

<210> 12309
<211> 211
<212> DNA
<213> Homo sapiens

<400> 12309
ctggctaaca cagtgaaacc ccgtctctac taaaaataca aaaaaattag ccaggcgtgg 60
tggcgggcgc ctgtagtccc agctactcgg gaggctgagg caggagaatg gcatgaactc 120
aggaggtgga gcttgcagtg agccaagatc gcgccactgc actccagcct gggcgacaga 180
gtgagactct gtctcaaaaa aaaaaaaaga a 211

<210> 12310
<211> 202
<212> DNA
<213> Homo sapiens

<400> 12310
tactaaaaat acaaaaaatt agccgggcgt agtggcgggc gcctgtagtc ccagctactc 60
gggaggctta ggcaggagaa tggcgtgaac ccgggaggcg gagcttgcag tgagccgaga 120
tcccgccact gcactccagc ctgggcgaca gagcgagact ccatctcaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaga aa 202

<210> 12311
<211> 203
<212> DNA
<213> Homo sapiens

<400> 12311
ccatctctac taaaaataca aaaaattagc cgggcatggt ggcgggcgcc tgtagtccca 60
gctactcggg aggctgaggc aggagaatgg cgtgaacccg ggaggcggag cttgcagtga 120
gccgagatct cgccactgca ctccagcctg ggcgacagag cgagactccg tctcaaaaaa 180
aaaaaaaaag aaagacatgt aaa 203

<210> 12312
<211> 166
<212> DNA
<213> Homo sapiens

<400> 12312
ctgggcgtgg tggcgggtgc ctgtagtccc agctacttgg gaggctgagg caggagaatg 60
gcgtgaaccc gggaggcgga gcttgcagtg agccgagatc aggccactgc actccagcct 120
gggcaacaga gtgagactcc gtctcaaaaa aaaaaaaaaa aagata 166

<210> 12313
<211> 280
<212> DNA
<213> Homo sapiens

<400> 12313
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ctaaaaatac aaaaaattag ccgggcgtag tggcgggcgc ctgtagtccc agctacttgg 120
gaggctgagg caggagaatg gcgtgaaccc gggaggcgga gcttgcagtg agccgagatc 180
ccgccactgc actccagctt gggcgacaga gcgagactcc gtctcaaaaa aaaaaaaata 240
aataaaaaaa aaaaaaaaaa aaaaaaaaag aaaagaaaaa 280

<210> 12314
<211> 190
<212> DNA
<213> Homo sapiens

<400> 12314
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<212> DNA
<213> Homo sapiens

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<210> 12316
<211> 1367
<212> DNA
<213> Homo sapiens

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tgcagtgagc ggagatcgcg ccactgcact ccagcctggg cgacagagcg agactccgtc 180
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<210> 12317
<211> 261
<212> DNA
<213> Homo sapiens

<400> 12317
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taaaaataca aaaaattagc cgggcgtggt agcgggcgcc tgtagtccca gctactcggg 120
aggctgaggc aggagaatgg cgtgaacccg ggaggcggag cttgcagtga gccgagatcg 180
cgccactgca ctccagcctg ggcgacagag cgagactccg tctcaaaaaa aaaaaaaaaa 240
aaaaaagaaa aagggataaa a 261

<210> 12318
<211> 312
<212> DNA
<213> Homo sapiens

<400> 12318
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ggcggatcac gaggtcagga gatcgagacg atcccggcta aaacggtgaa accccgtctc 120
tactaaaaat acaaaaaatt agccgggcgt agtggcgggc gcctgtagtc ccagctactt 180

gggaggctga ggcaggagaa tggcgtgaac ccgggaggcg gagcttgcag tgagccgaga 240
tcccgccact gcactccagc ctgggggaca gagcgagact ccgtctcaaa aaaaaaaaaa 300
aaaaagactg tc 312

<210> 12319
<211> 158
<212> DNA
<213> Homo sapiens

<400> 12319
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gagcttgcag tgagcagaga tcgcgccact gcactccagc ctgggcaaca gagcgagact 120
ctgtctcaga aaaaaaaaga aaaaagaaaa aagaaaat 158

<210> 12320
<211> 237
<212> DNA
<213> Homo sapiens

<400> 12320
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gcaggagaat ggcgtgaatc caggtggagc ttgcagtgag ctgagatcgc gccactgcac 180
tccagcctgg gtgacagagt gagactccat ctcaaaaaaa aaaaaaaaaa aaaaaga 237

<210> 12321
<211> 191
<212> DNA
<213> Homo sapiens

<400> 12321
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gctgaggcag gagaatggcg tgaacccggg aggcggagct tgcagtgagc cgagatcccg 120
ccactgcact ccagcctggg cgacagagcg agactccgtc tcaaaaaaaa aaaaaaaaaa 180
aaaaaaagtt a 191

<210> 12322
<211> 193
<212> DNA
<213> Homo sapiens

<400> 12322
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cgtgaacccg ggaggcggag cttgcagtga gccgagatcg cgccactgca ctccagcctg 120
ggcgacagag cgagactccg tctcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaattgac 180
tcctaatcaa aaa 193

<210> 12323
<211> 195
<212> DNA
<213> Homo sapiens

<400> 12323
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tgaggcagga gaatggcgtg aacccgggag gcggagcttg cagtgagccg agatcccgcc 120
actgcactcc agcctgggcg acagagcgag actccgtctc aaaaaaaaaa aaaaaaaaga 180

taattctaac aaaca 195

<210> 12324
<211> 297
<212> DNA
<213> Homo sapiens

<400> 12324
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ggtcaggaga tcgagaccat cctggctaac acggtgaaac cctgtctcta ctaaaaatac 120
aaaaaattag ccgggcgtgg tggcgggtgc ctgtagtccc agctactcgg gaggccgagg 180
caggagaatg gtgtgaaccc gggaggtgga gcttgcagtg agccgagatc gggccactgc 240
actccagcct gggcgacaga gcaagactct gtctcaaaaa aaaaaaagaa atggaaa 297

<210> 12325
<211> 182
<212> DNA
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<400> 12325
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tcgcgccact gcactccagc ctgggtgaca gagcgagact ccgtctcaaa aaaaaaaaaa 180
aa 182

<210> 12326
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<212> DNA
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<400> 12326
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ccccgtctct actaaaaaaa caaaaaatta gccgggcgtg gtagcgggag cctgtagtcc 180
cagctactcg ggaggctgag gcaggagaat ggcgtgaacc cgggaggcgg agcttgcagt 240
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aaaaaaaaaa aaaaaaacaa aaa 323

<210> 12327
<211> 183
<212> DNA
<213> Homo sapiens

<400> 12327
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cactccagcc tgggcgacag agcgagactc cgtctcaaaa aaaaaaaaaa aaataataat 180
gaa 183

<210> 12328
<211> 136
<212> DNA
<213> Homo sapiens

<400> 12328
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gcactccagc ctgggcgaca gagtgagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaa 136

<210> 12329
<211> 279
<212> DNA
<213> Homo sapiens

<400> 12329
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gcctgtagtc ccagctactc gggaggctga ggcaggagaa tggcgtgaac ccgggaggcg 180
gagcttgcag tgagccgaga tcgcgccact gcactccagc ctgggcgaca gagcgagact 240
ccgtctcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaga 279

<210> 12330
<211> 243
<212> DNA
<213> Homo sapiens

<400> 12330
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aaatccaaaa aattagccgg gcgtggtggt gggcgcctgt agtcccagct actcgggagg 120
ctaaggcaga agaatggcag gaacctggga ggcggagctt gcagtgagcc gagatcacgc 180
cactgcactc cagcctgggc gacagagcga gactccgtct caaaaaaaaa aaaaaaaaaa 240
att 243

<210> 12331
<211> 202
<212> DNA
<213> Homo sapiens

<400> 12331
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cgggaggctg aggcaggaga atggcgtgaa cccgggaggc ggagcttgca gtgagccgag 120
atcgcgccac tgcactccag cctgagtgac agagcgagac tccgtctcaa aaaaaaaaaa 180
aaaaaaaaag gttaatatgt aa 202

<210> 12332
<211> 192
<212> DNA
<213> Homo sapiens

<400> 12332
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tgaggcagga gaatggcgtg aacccgggag gcagagcttg cagtgagccg agatcccgcc 120
actgcactcc agcctgggcg acagagcgag actccgtctc aaaaaaaaaa aaaaaaaaag 180
aagtagacaa aa 192

<210> 12333
<211> 153
<212> DNA
<213> Homo sapiens

<400> 12333
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gtgaacccgg gaggcggagc ttgcagtgag ctgagatcac cccactgcac tccagcctgg 120
gcgacagagt gagactctgt ctcaaaaaaa aaa 153

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<211> 300
<212> DNA
<213> Homo sapiens

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agccgggcgt ggtagcgggc gcctgtagtc ccagctactc gggaggctga ggcaggagaa 180
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ctgggcgaca gagcgagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa aaaaaattaa 300

<210> 12335
<211> 150
<212> DNA
<213> Homo sapiens

<400> 12335
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gcggagcttg cagtgagctg agatcgcgcc actgcactcc agcctgggcg acagagcgag 120
actctgtctc aaaaaaaaaa aagaattggc 150

<210> 12336
<211> 322
<212> DNA
<213> Homo sapiens

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atcacgaggt caggagatcg agaccatcct ggctaacacg gtgaaacccc gtctctacta 120
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gctgaggcag gagaatggcg tgaacccggg aggcggagct ttcagtgagc cgagatcgcg 240
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aaaaaaaaaa aaaaaaaaat tc 322

<210> 12337
<211> 142
<212> DNA
<213> Homo sapiens

<400> 12337
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gtgagccgag atcccgccac tgcactccag cctgggcgac agagcgagac tccgtctcaa 120
aaaaaaaaaa aaaaaaaatg ga 142

<210> 12338
<211> 181
<212> DNA
<213> Homo sapiens

<400> 12338
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caggagaatg gcgtgaaccc gggaggcgga gcttgcagtg agccgagatc gcgccactgc 120

actccagcct gggtgacaga gcgagactcc gtctcaaaaa aaaaaaaaaa aaaaaaagat 180
t 181

<210> 12339
<211> 123
<212> DNA
<213> Homo sapiens

<400> 12339
aggcaggaga atggcgtgaa cccgggaggc ggagcttgca gtgagccgag atcccgccac 60
tgcactccag cctgggcgac agagcgagct ccgtctcaaa aaaaaaaaaa aaaaatgctg 120
tta 123

<210> 12340
<211> 270
<212> DNA
<213> Homo sapiens

<400> 12340
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tgcagtgagc cgagatcgcg cccctgcact ccagcctggg cgacagagcg agactccgcc 240
tcgaaaaaac aaaaacaaaa acacaaagtc 270

<210> 12341
<211> 237
<212> DNA
<213> Homo sapiens

<400> 12341
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tggtggcggg cgcctgtagt cccagccact cgggaggctg aggcaggaga atggcgtgga 120
cccgggaggc ggagcttgca gtgagcggag atcgcgccac tgcactccag cctgggcgac 180
tgagcaggac tccgtctcaa aaaaaaaaaa aagaaaagaa aaaaagaaag aaagaaa 237

<210> 12342
<211> 214
<212> DNA
<213> Homo sapiens

<400> 12342
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gagccgaggt cgcgccactg cactccagcc tgggcgacag agcgagactc cgtctcaaaa 180
aaaaaaaaaa aaaaaaaaaa aagattacac aata 214

<210> 12343
<211> 154
<212> DNA
<213> Homo sapiens

<400> 12343
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gttgcagtga gctgagatag caccactgca ctccagcctg ggcgacagag cgagactccg 120
tctcaaaaaa aaaaaaaaaa aaaaaaaggg ccgc 154

<210> 12344
<211> 243
<212> DNA
<213> Homo sapiens

<400> 12344
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atacataaaa ttagccgggc gtgttggcgg gcgcctgtag tcccagctac tcgggaggct 120
gaggcaggag aatggcgtga acccgggagg tggagcttgc agtgagctga gattgcgcca 180
ctgcactcca gcctgggcga cagagcgaga ctctgtctca aaaaaaaaaa attaaattaa 240
att 243

<210> 12345
<211> 307
<212> DNA
<213> Homo sapiens

<400> 12345
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catgaggtca ggagatcgag accatcctgg ctaacacggt gaaaccccat ctctactaaa 120
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tgaggcagga gaatggcgtg aacctgggag gcggagcttg cagtgagccg agatcgcgcc 240
actgaactcc agcctgggcg acagagcgag actccgtctc aaaaagaaaa taaaaaagaa 300
aaatttc 307

<210> 12346
<211> 166
<212> DNA
<213> Homo sapiens

<400> 12346
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caagactccg tctcaaaaaa aaaaaacaaa aaaaacatgt aggcag 166

<210> 12347
<211> 142
<212> DNA
<213> Homo sapiens

<400> 12347
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agtgagccaa gatcgcgcca ctgcactcca gcctgggtga cagagcgaga ctccgtctca 120
aaaaaaaaaa aaaaaaaact ta 142

<210> 12348
<211> 131
<212> DNA
<213> Homo sapiens

<400> 12348
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tagctgggac t 131

<210> 12349
<211> 214
<212> DNA
<213> Homo sapiens

<400> 12349
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tgctgggggt ccactccaga ccctgtttgc ctgggtatca ccagcagagg ctgcagaaca 120
gcaaagattg ctgcctgctc cttcctctgg aagcttcgtc ccagaggggc acccagcaga 180
tgccagccag agctctcctg tatgaggtgt ctgt 214

<210> 12350
<211> 268
<212> DNA
<213> Homo sapiens

<400> 12350
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cccttgtgag cctcagggcc gcatctgtaa aatgggcata actgtcatgc ctgtctttaa 120
gaacagcctt gggggtaaat gagtggaact catggaaaga tctcagccca caaccttcca 180
cagaacaggc gcttctcaca cagtaagtag caggagtgca gaggctgcag gcatgaatcc 240
agccagactg cctgggttca agtcccag 268

<210> 12351
<211> 906
<212> DNA
<213> Homo sapiens

<400> 12351
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US 2003/0224385 A1

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PCT/US2004/035000

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Docket No. 5050-1-PCT

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Docket No. 50570-2036

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Docket No. 5050-4-PCT

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<211> 970
<212> DNA
<213> Homo sapiens

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ggaatggagg gaggggggcaa gggctgaaaa actacctatt gggtactatg ctcactacct 180
attgggtact gtgctcacta cctattgggt actgtgctca ctacctattg ggtactttgg 240
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tgtattaatt ttaacatttc taggctattc aggttaaatt ttgtgttcca aatctatctt 480
tcgtaatata agattcatat tattctgatc acttctggct aaaccttaaa aagaattccc 540
ctatcaatac aaagaatatt agttgggaaa taatatatat ataataaata ataataataa 600
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<211> 275
<212> DNA
<213> Homo sapiens

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tggcgtgaac ccaggaggcg gagcttgcag tgagccgaga tcgcgccact gcactacagc 240
ctggatgaca gagcaagagt ctgtctcaac aacaa 275

<210> 12405
<211> 361
<212> DNA
<213> Homo sapiens

<400> 12405
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ctcatattct attatttgaa ttacaagtta acatttttag atggtacttc tacaaaaata 180
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g 361

<210> 12406
<211> 368
<212> DNA
<213> Homo sapiens

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<210> 12407
<211> 368
<212> DNA
<213> Homo sapiens

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<211> 4625
<212> DNA
<213> Homo sapiens

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<211> 2895
<212> DNA
<213> Homo sapiens

<400> 12409
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Docket No. 50370-2004

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Docket No. 38-21(53004)B

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US 2003/0190635 A1 Oct. 9, 2003

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Application No. 10/552,105

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Petitioner - Exhibit 1002

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US 9,359,646 B2

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Docket No. 5050-0004-2

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Docket No. 2003P00301 WO

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Docket No. 2003P10150WO

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Exhibit 1 Page 3 of 12

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<213> Homo sapiens

<400> 12501
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aaaaaaaaca aaaaaacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ataaacaaaa 180
aaaaaataaa acaaaaaaaa aa 202

<210> 12502
<211> 125

<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (49)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<400> 12502
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naaaaaaaaa aaaaaaaaaa aaaaaaaaan naaaaaaaaa aaaaaaaaaa aaaaannaaa 120
aaaaa 125

<210> 12503
<211> 126
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<400> 12503
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaanaaaaa aaaaaannan aaaaaaanaa 120
aaaaaa 126

<210> 12504
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<222> (30)
<223> n equals a,t,g, or c

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cgacaggttt cccgactgga aagcgggcag tgagcgcaac gcaattaatg tgagttagct 120
cactcattag gcaccccagg ctttacactt tatgcttccg gctcgtatgt tgtgtggaat 180
tgtgaacgga taaca 195

<210> 12505
<211> 77
<212> DNA
<213> Homo sapiens

<400> 12505
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ataaaaaaaa aaaaaaa 77

<210> 12506
<211> 152
<212> DNA
<213> Homo sapiens

<400> 12506
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa caaaaaaaaa aaaaaaaaat 120
ataaaaaaaa aaaaaaaaaa aaaattaaag ag 152

<210> 12507
<211> 165
<212> DNA
<213> Homo sapiens

<400> 12507
ggggggggttg gtttaacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa taaaa 165

<210> 12508
<211> 143
<212> DNA
<213> Homo sapiens

<400> 12508
aagaaaagaa aaaaaaaaaa aaaaaaaaaa agaaaaaaca aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaaa taaaaaaaaa aaaaaaaaaa aagagaaaca aaaaaaaaaa aatagaaaaa 120
aaaaaaaaaa aacaaaaaag gag 143

<210> 12509
<211> 151
<212> DNA
<213> Homo sapiens

<400> 12509
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aaaaaacaaa aaaaaaaaaa aaaaaaaaaa taaataaaaa aaaaagagaa aaaaataaaa 120

ataaagaaat aaataaaaaa aaaaaaaaaa a 151

<210> 12510
<211> 125
<212> DNA
<213> Homo sapiens

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<220>
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<222> (49)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (90)
<223> n equals a,t,g, or c

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<222> (91)
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<222> (116)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (117)
<223> n equals a,t,g, or c

<400> 12510
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naaaaaaaaa aaaaaaaaaa aaaaaaaaan naaaaaaaaa aaaaaaaaaa aaaaannaaa 120
aaaaa 125

<210> 12511
<211> 126
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (10)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<222> (110)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (118)
<223> n equals a,t,g, or c

<400> 12511
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaanaaaaa aaaaaannan aaaaaaanaa 120
aaaaaa 126

<210> 12512
<211> 195
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> SITE

<222> (32)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (37)
<223> n equals a,t,g, or c

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cgacaggttt cccgactgga aagcgggcag tgagcgcaac gcaattaatg tgagttagct 120
cactcattag gcaccccagg ctttacactt tatgcttccg gctcgtatgt tgtgtggaat 180
tgtgaacgga taaca 195

<210> 12513
<211> 152
<212> DNA
<213> Homo sapiens

<400> 12513
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa caaaaaaaaa aaaaaaaaat 120
ataaaaaaaa aaaaaaaaaa aaaattaaag ag 152

<210> 12514
<211> 165
<212> DNA
<213> Homo sapiens

<400> 12514
gggggggttg gtttaacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa taaaa 165

<210> 12515
<211> 143
<212> DNA
<213> Homo sapiens

<400> 12515
aagaaaagaa aaaaaaaaaa aaaaaaaaaa agaaaaaaca aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaaa taaaaaaaaa aaaaaaaaaa aagagaaaca aaaaaaaaaa aatagaaaaa 120
aaaaaaaaaa aacaaaaaag gag 143

<210> 12516
<211> 151
<212> DNA
<213> Homo sapiens

<400> 12516
aaaaaaaaaa aaaaaaaaaa gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaacaa 60
aaaaaacaaa aaaaaaaaaa aaaaaaaaaa taaataaaaa aaaaagagaa aaaaataaaa 120
ataaagaaat aaataaaaaa aaaaaaaaaa a 151

<210> 12517
<211> 125

<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

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<221> SITE
<222> (49)
<223> n equals a,t,g, or c

<220>
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<222> (61)
<223> n equals a,t,g, or c

<220>
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<222> (90)
<223> n equals a,t,g, or c

<220>
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<222> (91)
<223> n equals a,t,g, or c

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<221> SITE
<222> (116)
<223> n equals a,t,g, or c

<220>
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<222> (117)
<223> n equals a,t,g, or c

<400> 12517
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naaaaaaaaa aaaaaaaaaa aaaaaaaaan naaaaaaaaa aaaaaaaaaa aaaaannaaa 120
aaaaa 125

<210> 12518
<211> 126
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> SITE

<222> (14)
<223> n equals a,t,g, or c

<220>
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<222> (20)
<223> n equals a,t,g, or c

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<222> (107)
<223> n equals a,t,g, or c

<220>
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<222> (108)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (118)
<223> n equals a,t,g, or c

<400> 12518
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaanaaaaa aaaaaannan aaaaaaanaa 120
aaaaaa 126

<210> 12519
<211> 195
<212> DNA
<213> Homo sapiens

<220>
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<222> (3)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (32)
<223> n equals a,t,g, or c

<220>
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<222> (37)
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cgacaggttt cccgactgga aagcgggcag tgagcgcaac gcaattaatg tgagttagct 120
cactcattag gcaccccagg ctttacactt tatgcttccg gctcgtatgt tgtgtggaat 180
tgtgaacgga taaca 195

<210> 12520
<211> 4493
<212> DNA
<213> Homo sapiens

<400> 12520
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ctggcgggat ggggaggcgg gggagcggtg gggaggacgg gaggtggagg ccgcggggag 180
tcacttcttg tctcccgcag agtcgcagga ggcggcgccg ttatcaggta gggcgcccag 240
gacgcgcgat tcctgccagg gccgttgggc cgaggtggac ggggggcggt gaggggggtag 300
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<211> 139
<212> DNA
<213> Homo sapiens

<400> 12521
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acccaggagg tggaggttgc agtgagctgg gatcacgcca atgcactcca gcctgggcga 120
caagagcgaa actccatct 139

<210> 12522
<211> 2112
<212> DNA
<213> Homo sapiens

<400> 12522
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gtctcattcc aatagtagtt actttaaaat gaagaatgtt cttaatttac aaaatattat 120
gtatgtattt aagttatgaa tattgcagat atgtaaatat gtgtatatgt gtgttgattt 180
taatttgtat cttcacagat tttattatca gttatgtttt gaatttttac ctttggagaa 240
aacatactac ttaaatcttc cagtgtagtg atagcaaatt atctttatat aaatttttatt 300
cagattattc aaagtaatca aagattttta attatttttta ttaaattaaa tttatcagta 360
taaataatta agatcattaa ccttatttaa ttaaatttat taattttgat tatagaaaaa 420
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ggaaaggata gtgaagctgt actgaaactc tagtcctttg taaaaaaaaa aaaaaaaaaa 1980
aaaaaaatcc cattaattca gtcattcatc aacactatat gccacacact tttctagata 2040
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<210> 12523
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<212> DNA
<213> Homo sapiens

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US 9,550,834 B2

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US 9,550,834 B2

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Docket No. 50503-2015

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<211> 640
<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<210> 12545
<211> 4721
<212> DNA
<213> Homo sapiens

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<210> 12546
<211> 640

<212> DNA
<213> Homo sapiens

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aacgacggcc agtgaattgt aatacgactc actatagggc 640

<210> 12547
<211> 513
<212> DNA
<213> Homo sapiens

<400> 12547
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gccagtgaat tgtaatacga ctcactatag ggc 513

<210> 12548
<211> 612
<212> DNA
<213> Homo sapiens

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aagtgtagcg gtcacgctgc gcgtaaccac cacacccgcc gcgcttaatg cgccgctaca 420
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tcactatagg gc 612

<210> 12549
<211> 462
<212> DNA
<213> Homo sapiens

<400> 12549
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ctaatcaagt tttttggggt cgaggtgccg taaagcacta aatcggaacc ctaaagggag 120

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cccccgattt agagcttgac ggggaaagcc ggcgaacgtg gcgagaaagg aagggaagaa    180
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cacacccgcc gcgcttaatg cgccgctaca gggcgcgtcc attcgccatt caggctgcgc    300
aactgttggg aagggcgatc ggtgcgggcc tcttcgmtat tacgccagct ggcgaaaggg    360
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aaaacgacgg ccagtgaatt gtaatacgac tcactatagg gc                       462


<210> 12550
<211> 640
<212> DNA
<213> Homo sapiens

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<211> 640
<212> DNA
<213> Homo sapiens

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tagggttgag tgttgttcca gtttggaaca agagtccact attaaagaac gtggactcca    180
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<210> 12552
<211> 654
<212> DNA
<213> Homo sapiens

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<210> 12553
<211> 647
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
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Docket No. 30794.20

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<213> Homo sapiens

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<210> 12556
<211> 640
<212> DNA
<213> Homo sapiens

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<211> 571
<212> DNA
<213> Homo sapiens

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<211> 640
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (88)
<223> n equals a,t,g, or c

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<211> 648
<212> DNA
<213> Homo sapiens

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<210> 12561
<211> 624
<212> DNA
<213> Homo sapiens

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<210> 12562
<211> 509
<212> DNA
<213> Homo sapiens

<400> 12562
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<210> 12563
<211> 654
<212> DNA
<213> Homo sapiens

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<211> 546
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<210> 12565
<211> 654
<212> DNA
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<400> 12565
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<211> 327
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Docket No. 2003-0153.1

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Application No. 09/560,813 - Docket No. 3-20-2004

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Docket No. 50468-0035

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Patent Application Publication Oct. 25, 2007 Sheet 5 of 5 US 2007/0248965 A1

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<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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Doc 5 of 5 - 2015-05-26 14:30:04

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Docket No. 50579-2004

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US 9,550,838 B2

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Doc 3 Page 5 of 5 Pages

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Application No. 09/756,956 - Page 11580 of 12615

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<213> Homo sapiens

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<213> Homo sapiens

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Docket # 50570-0050

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Docket No. 10-0305-PCT-US

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Docket No. 0609.1

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<212> DNA
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Docket No. 50570-2056

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Doc. No. 4,683,202

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Docket No. 3950.2.1

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Docket No. 50570-2001

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